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U. S. Department of Agriculture

SEED ANNUAL

for 1948

Stump & Walter Co.

NEW YORK 8, N. Y.

ZINNIAS

GIANT DAHLIA-FLOWERED

Six Brilliant Colors:

Yellow, Scarlet, Rose, Orange-Gold,
Lavender and Crimson.

Each, pkt. 20 cts., 1/4 oz. 60 cts., oz. \$2.

SPECIAL 6 pkts., one of each color for \$1.
COLLECTION: 1/4 oz. of each color, \$3.25.

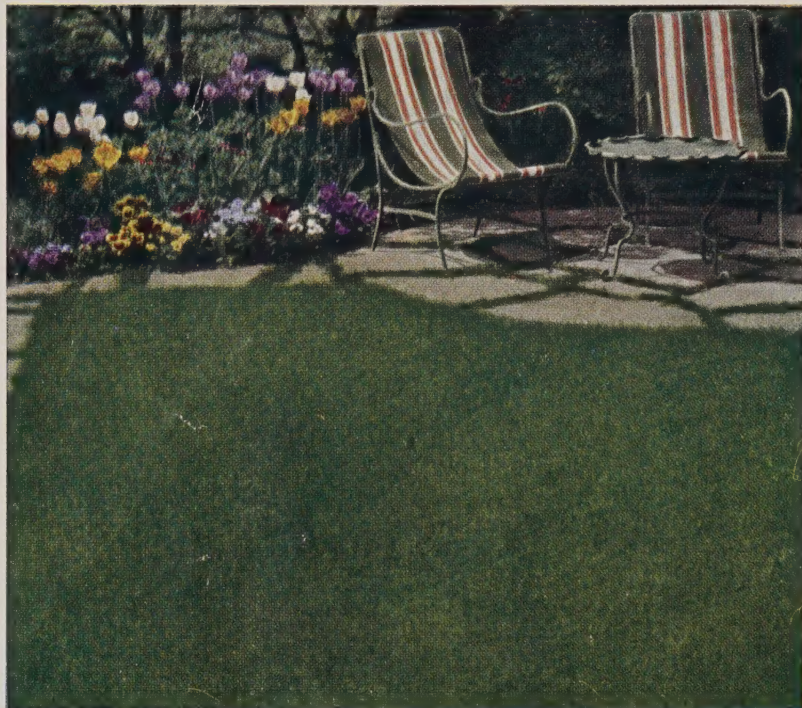
DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU

Staigreen **LAWN SEED**

Best on Earth Since 1912

HIGH PURITY · HIGH GERMINATION · TIME-TESTED FORMULA
MAXIMUM FREEDOM FROM WEEDS · CONTAINS NO CRABGRASS

Pamphlet "How to Build a Permanent Lawn" free in every package



Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties, including Bent. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like and emerald-green from early spring through summer to early winter. Introduced by us in 1912, it is moderate in price, but not "cheap."

Staigreen contains no Ryegrass or Timothy, but Chewing's Fescue is a valuable ingredient in it. Deep-rooted, and a robust grower in summer, it imparts a definite resistance to chinch-bug injury, drought, and summer scald. Other varieties contribute to make STAIGREEN a mixture of heavy pure seed of high quality. We recommend STAIGREEN for all lawns, new or old, except in heavy shade or the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you sow white clover with it on the basis of 1 pound to each 20 pounds of STAIGREEN.

Prices of Staigreen Lawn Seed

Lb.....	\$1 00	10 lbs.....	\$ 9 25
2½ lbs.....	2 40	25 lbs.....	22 00
5 lbs.....	4 75	100 lbs.....	85 00

Includes delivery to your home

Shady Place **LAWN SEED**

Best for Under Trees

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. Use 5 pounds per 1000 square feet, or 200 pounds per acre. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet and 20 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the program at the end of summer.

QUANTITY OF LAWN SEED TO USE

	Lg New lawn	Renovating Old Lawns
200 sq. feet.....	1	Lbs.
1000 sq. feet.....	5	2½ to ¾
Acre.....	200	75 to 100

These amounts will give satisfactory results under average conditions, but in time is not important, and if your soil is good and rich, they may be reduced.

They are sometimes doubled by experienced turfmakers, especially, when a lawn is sown in the spring.

Sow during spring, autumn or winter. Avoid hot weather.

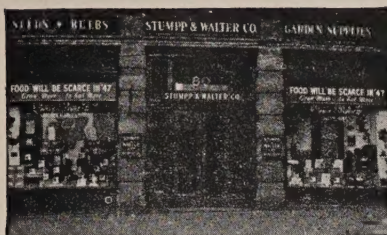
*Lime, Sawconure and Emerald
Fertilizers are offered on page 105*

Prices of Shady Place Lawn Seed

Lb.....	\$1 05
2½ lbs.....	2 55
5 lbs.....	5 00
10 lbs.....	9 50
20 lbs.....	23 00
100 lbs.....	90 00

Includes delivery to your home





WHITE PLAINS, N. Y.
(Percy Hill, Branch Mgr.)

80 Main St.

Phones: White Plains 9-9260 and 9-9261



STAMFORD, CONN.
(Leon Ezzell, Branch Mgr.)

674-676 Main St., at Grove St.

Phone: Stamford 4-0125



ENGLEWOOD, N. J.
(Joseph Reger, Branch Mgr.)

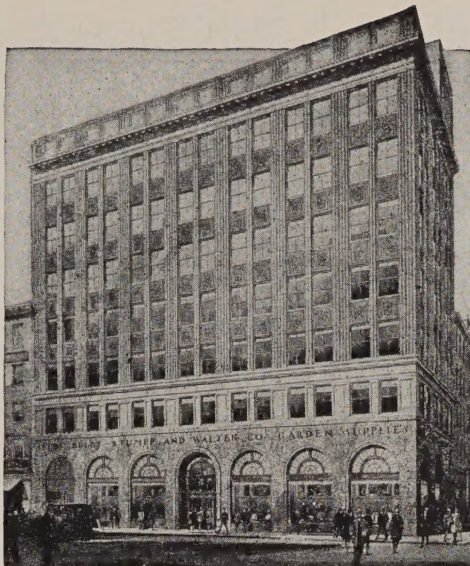
3-5-7 Grand Ave., at Palisade Ave.

Phone: Englewood 3-5596



BULB FARM, Islip, Long Island
(Benjamin Galletto, Supt.)

Visit us in late April, when Daffodils bloom. No sales organization here.



HEADQUARTERS BUILDING and STORE
(Harry P. Sweeney, Mgr.)

132-138 Church St., at Warren St., New York

Phones: BArlay 7-1110 (Ten trunk lines)

THE STUMPP & WALTER CO.

An Organization of Nine Units for Better Service

OUR 50th GARDEN ANNUAL

—ESTABLISHED 51 YEARS—

WE SOLICIT

Your business for 1948, and may we have your lists early, please? Helpful order sheets are on pages 109 to 112.

WE DELIVER FREE, anywhere in the U. S., seeds of Vegetables and Flowers, Grasses, Mixtures for Lawns, Sports, Hay and Pasture; also Books. Bulbs are sent prepaid within the States east of the Mississippi River.

WE DELIVER FREE within 50 miles most other merchandise listed herein when your order exceeds \$3. A few items are EXCEPTED; on these the purchaser pays for transportation. They are noted on the following pages; the list includes Bulbs for points west of the Mississippi, Potatoes, certain Farm Seeds, Field Corn, Clovers, certain Implements, Fertilizers, Insecticides, Fungicides, and Epicure Foods which are f.o.b. our stores.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we sell and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

Prices are subject to change

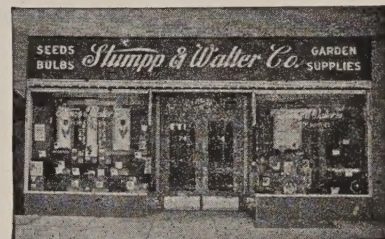


NEWARK, N. J.

(Douglas Fuller, Branch Mgr.)

29-31 Central Ave., at Halsey St.

Phones: Market 3-5595 and 3-5596



HEMPSTEAD, LONG ISLAND
(Charles Sultan, Branch Mgr.)

74 North Franklin St., near Fulton Ave.

Phone: Hempstead 792



GARDEN MART

75-acre Testing Farm and Nursery,
Farmingdale, Long Island, on Route 110

(John Woznick, Supt.)

Phone: Farmingdale 791



FACTORY

Tonnelle Ave., Jersey City, N. J.
(Priscilla Luxford, Mgr.)

Where our fertilizers, insecticides and fungicides are prepared.

THE CALL IS CLEAR FOR TWENTY MILLION FREEDOM GARDENS IN 1948

Produce more food in America, and we release more for mercy shipments to the starving in Europe. There is no substitute for fresh vegetables, and the effort in growing them is healthful. Even the smallest garden is a money-saver, also.

Stumpp & Walter Co.

GEORGE O. STUMPP, President
WILLIAM A. SPERLING, Vice-Pres.
WILLARD L. ISAACS, Vice-Pres. & Treas.
THOMAS F. KEARNEY, Sec'y & Asst. Treas.
ALEX. E. SEHLMAYER, Asst. Sec'y

NEW YORK PHONES: BArlay 7-1110 (Ten trunk lines)

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132-138 Church Street
(At Warren Street)
NEW YORK 8, N. Y.
Near City Hall and Brooklyn Bridge

PRINTED
IN
U.S.A.

TWO GREAT LAWN MIXTURES

BEST SINCE 1912

Described on inside front cover.

Staigreen

LAWN SEED

Lb. \$1, 2½ lbs. \$2.40, 5 lbs. \$4.75,
10 lbs. \$9.25, 25 lbs. \$22, 100 lbs. \$85

All-Bent Formula

A mixture of Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Redtop. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties produces the soft, luxurious feel of a deep, rich green rug.

Soil must be rich and should have Sawconure and Emerald Fertilizer worked into it; these also should be applied as a top-dressing every spring and autumn. Sow 3½ pounds of seed per 1000 square feet or 125 pounds per acre. Lb. \$1.50, 2½ lbs. \$3.65, 5 lbs. \$7.25, 10 lbs. \$14, 25 lbs. \$32.50, 100 lbs. \$120.

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With care it will make a putting-green of your lawn. Lb. \$2.15, 2½ lbs. \$5.25, 5 lbs. \$10, 10 lbs. \$19.50, 25 lbs. \$46.50.

Shady Place

LAWN SEED

Lb. \$1.05, 2½ lbs. \$2.55, 5 lbs. \$5,
10 lbs. \$9.50, 25 lbs. \$23, 100 lbs. \$90

Low-Cost Large Lawns

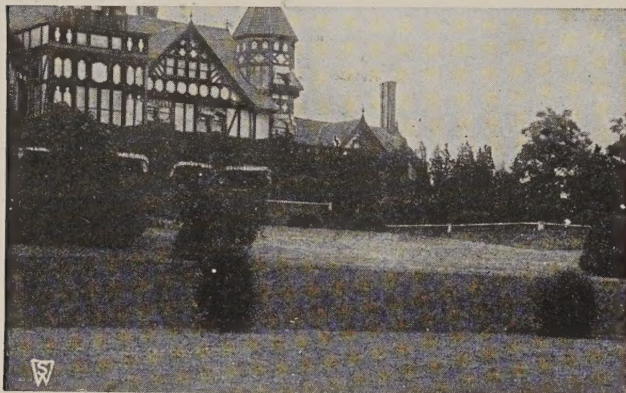
Sawco High-Grade Lawn Seed. Composed of fine re-cleaned grasses with White Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. Lb. 85 cts., 2½ lbs. \$2.10, 5 lbs. \$4, 10 lbs. \$7.75, 25 lbs. \$18.50, 100 lbs. \$70.

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. Lb. 75 cts., 5 lbs. \$3.50, 10 lbs. \$6.50, 25 lbs. \$15, 100 lbs. \$55.

Contractors' Grass Formula

Supplied in large quantities for Army camps, housing projects, highway embankments, etc. Good-quality mixture. Allow 100 pounds or more per acre. 100 lbs. \$47.50, 1000 lbs. \$450.

PRICES ARE LOWER. More favorable crops, after several years of short crops, of some of the turf-producing grasses, particularly Kentucky Blue, have brought about lower costs for 1948. We are passing these savings on to you at once.

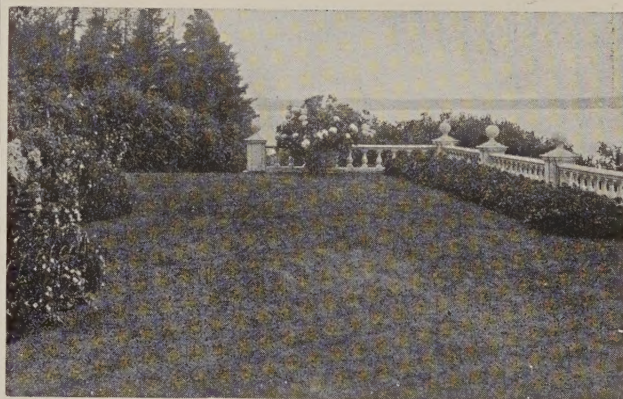


For Terraces, Hillside, and Embankments

Turf on Slopes

Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. When applying soil, plant-foods, or seed to sloping land, do not use them evenly, but place more at the top of the slope than lower down; this is an allowance for rain washing the materials to lower levels. Lb. \$1.10, 2½ lbs. \$2.65, 5 lbs. \$5.25, 10 lbs. \$10, 25 lbs. \$23.50, 100 lbs. \$90.

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.



Seashore Formula for Areas under the Influence of Salt Spray

Turf by the Sea

Seashore Lawn Grass Seed. The varieties are deep-rooting and they resist salt spray and high winds. The soil in the neighborhood of the sea is frequently poor; a good preparation is to apply Sawconure at the rate of 100 pounds to each 1000 square feet, and on sandy land humus should also be used, allowing ½ ton per 1000 square feet. Use two pounds of seed on 20 by 20 feet. Lb. \$1, 2½ lbs. \$2.35, 5 lbs. \$4.60, 10 lbs. \$9, 25 lbs. \$21.50, 100 lbs. \$80.

Turf in the City

Urban Formula. Resists the harmful effects of shade, lack of air-circulation, gasoline fumes, hard wear, and other handicaps to which a lawn in the city is subject. Contains White Clover and Ryegrass, along with other desirable varieties. Makes a handsome turf, deep green, but somewhat coarse. For new lawns use 5 to 10 pounds per 1000 square feet. Lb. 90 cts., 2½ lbs. \$2.15, 5 lbs. \$4.25, 10 lbs. \$8, 25 lbs. \$19, 100 lbs. \$72.50.

2 Grass Seeds

Our Lawn Mixtures are correctly compounded, and are as free from weed seeds as it is possible to make them. We deliver them free anywhere in the U. S.

STUMPP & WALTER CO.

A Course of Treatment

THAT WILL EVENTUALLY GIVE YOU A GOOD LAWN UNDER ALMOST ALL CIRCUMSTANCES

Use LAWNSPREAD. It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, Insecticides and Fungicides. Lawnspray will not burn the grass, nor will it injure birds, cats, or dogs.



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnspray you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-seeds, and high-quality grass seeds; in the mixture, also, are ingredients to poison earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in Lawnspray, and it is almost odorless. Lawnspray may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, Lawnspray may be stored up to four weeks without impairing the germination of the grass seeds contained in it. Use it promptly, however, if high humidity makes the material damp and causes the quicker-growing seeds to start sprouting.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the turf with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crabgrass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas

1 to 10 bags, \$3.00 per bag

11 to 25 bags, 2.85 per bag

Over 25 bags, 2.75 per bag

"Lawnspread with Sawco-Japy" (Milky Disease Spore Dust). For control of Japanese Beetles, add 50 cts. per bag to above prices.

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens

1 to 10 bags, \$3.50 per bag

11 to 25 bags, 3.35 per bag

Over 25 bags, 3.20 per bag



Broadcast Lawnspray and rub in with the back of a rake.

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 95 cts., 2½ lbs. \$2.35, 5 lbs. \$4.65, 10 lbs. \$9, 25 lbs. \$20, 100 lbs. \$75.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 95 cts., 2½ lbs. \$2.35, 5 lbs. \$4.65, 10 lbs. \$9, 25 lbs. \$20, 100 lbs. \$75.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. \$1.15, 2½ lbs. \$2.85, 5 lbs. \$5.65, 10 lbs. \$11, 25 lbs. \$25, 100 lbs. \$95.

Formula No. 3. For shaded areas. Lb. \$1.20, 2½ lbs. \$2.95, 5 lbs. \$5.85, 10 lbs. \$11.50, 25 lbs. \$26, 100 lbs. \$97.50.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. \$1.05, 2½ lbs. \$2.60, 5 lbs. \$5.25, 10 lbs. \$9.50, 25 lbs. \$22.50, 100 lbs. \$80.

Formula No. 4a. Similar to No. 4 but without Clover. Lb. \$1.05, 2½ lbs. \$2.60, 5 lbs. \$5.25, 10 lbs. \$9.50, 25 lbs. \$22.50, 100 lbs. \$85.

Chemical Weed-Killers

Removal of weeds by Hand-weeding is recommended for small lawns. On large areas, or where weeds are numerous, Chemical Weed-Killers may be tried. Three points should be observed:

(1). Treat only a small portion of the lawn at a time, and let each treatment be an experiment. Start with a weaker allowance than recommended. If grass is injured, use a weaker solution. If weeds are unaffected, try a slightly stronger one.

(2). Chemical Weed-Killers are not generally advised for Bent lawns; however, some users have had success by making two half-strength applications a week apart.

(3). Avoid using in the vicinity of shrubs, trees, vegetables or flowers. They may be harmed.

Any of the following materials may be applied in a fine mist through a sprayer:

NEW 2-4-D COMPOUNDS FOR DANDELIONS, PLANTAINS, MOUSE-EAR, ETC.

TUFOR. Four ounces in 16 gallons of water for 4000 sq. ft., 3 pints in 200 gallons per acre. 4 ozs. \$1, pt. \$2, qt. \$3.50.

KARMEX in tablet form. Ten tablets in 5 gallons of water treats 1000 sq. ft. 25 tablets \$1, 100 tablets \$3.40.

WEEDONE. Use one quart to 25 gallons of water; enough for 5000 sq. ft. Eight quarts in 200 gallons for an acre. 6 ozs. 75 cts., qt. \$2.50, gal. \$7.50, 5 gals. \$30.

FOR CRABGRASS

TAT C-LECT PMAS. Use 2 ounces per gallon of water over 100 square feet. 8-oz. bottle 85 cts., 16-oz. bottle \$1.50.

Too much of any of the above may injure the lawn; too little may have no effect on weeds. Follow manufacturers' directions; then make trial applications.

If grass is scorched it usually recovers, but we regret that we can assume NO RESPONSIBILITY for an injured lawn.

The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.



Mow your lawn twice a week, setting the machine so that it cuts the grass moderately long, especially during July and August.

Turf for Sports

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent Grasses and Red Fescue. Lb. \$1.55, 5 lbs. \$7.50, 25 lbs. \$30, 100 lbs. \$115.

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. Lb. \$1.65, 5 lbs. \$8, 25 lbs. \$33, 100 lbs. \$125.

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 25 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. Lb. 85 cts., 5 lbs. \$4, 25 lbs. \$16.50, 100 lbs. \$57.50.

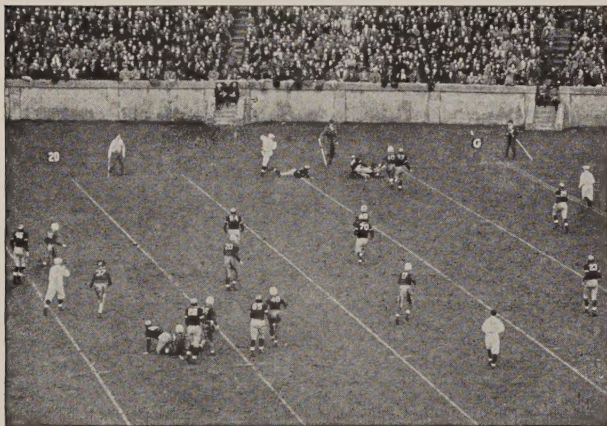
Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Cheiving's Fescue, Kentucky Blue Grass, and Superfine Redtop. Lb. \$1.05, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$75.

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. 5 lbs. \$5.50, 25 lbs. \$23.50, 100 lbs. \$85.

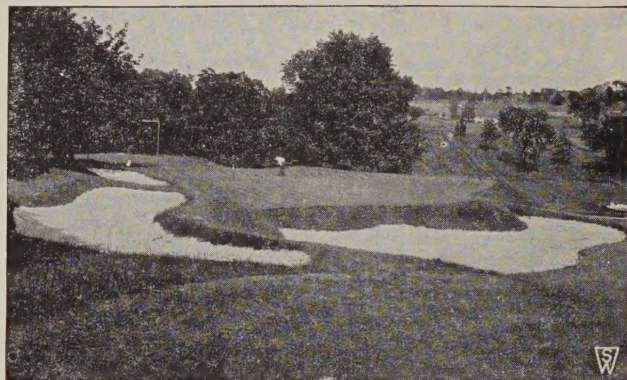
Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. 5 lbs. \$6, 25 lbs. \$25, 100 lbs. \$90.

Divot Formula for Repairing Damage

A blend consisting of (a) permanent grasses suitable for sports fields, fairways and tees, with (b) seeds of the quickest growing plants of a temporary nature. The latter grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. Lb. \$1.25, 5 lbs. \$5.75, 25 lbs. \$23.50, 100 lbs. \$85.



The Bowl at Yale University, New Haven, Conn. Stumpp & Walter Co.'s Grass Seeds used; also on the Golf Course and Sports Fields.



Stumpp & Walter Co.'s Grass Seeds have been used for the construction and maintenance of many a Country Club

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedlings. Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$20, 100 lbs. \$70.

"Rough" Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedlings. Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$16, 100 lbs. \$55.

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. Lb. \$1.25, 5 lbs. \$6, 25 lbs. \$25, 100 lbs. \$90.

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. 5 lbs. \$5.25, 25 lbs. \$22.50, 100 lbs. \$80.

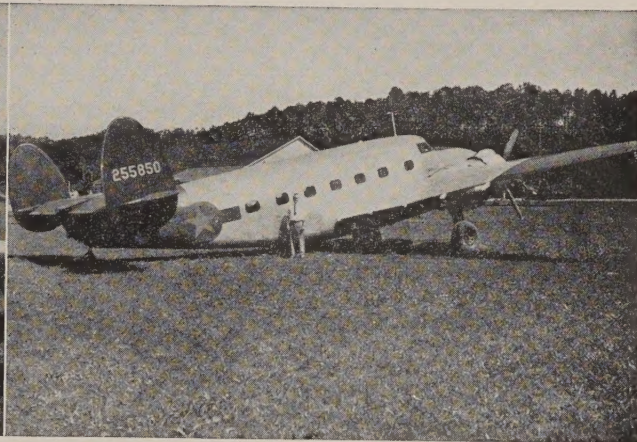
Lawn Bowling

Bowling Green Formula. A mixture of fine Bent Grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. Lb. \$2.25, 5 lbs. \$10.50, 25 lbs. \$47.50.

QUANTITY OF SEED TO USE

	Normal lawns on good soil; golf fairways, football and polo fields.	Lawns in unusual situations; golf greens, tees, bunkers; tennis courts and bowling greens.	Army camps, airports, race-tracks; rough on a golf course.
	Lbs.	Lbs.	Lbs.
200 sq. ft.	1	1½-2	—
1000 sq. ft.	5	7½-10	—
Acres.	200	250	100
Allow one-half above quantities when renovating. Use double for turf needed quickly			

Turf for Airports



Both small planes and large airliners are safe on grass turf

A smooth take-off and a perfect landing are impossible in heavy mud or on a dry, hard field covered with ruts, but they are easily made on level grass-land which has been kept regularly mown. To cover a field with a matted, yielding, wear-resistant turf is not difficult in most cases, nor need it be costly.

A good grass field is safe because in bad weather, as well as good, the surface is even and firm; and by using grass varieties that have tough wiry leaves and very deep roots, a sod can be obtained that will not readily develop ruts and mud-holes. Thus will be prevented many a broken propeller, many a damaged plane, many an injury to the aviator.

In dry weather, dust is absent from a grass field. There are no stones to be caught up by the slipstream to annoy passengers and damage wing surfaces, no grit to settle on motors.

Distinctive marking may be helpful to the pilot on an all-grass field; and if wished, the field may have runways of dark green against a lighter gray-green for the remainder of the area. When this marking is desired, use our Superfine Quality seeds for the runways and our Fine Quality seeds for the remainder of the field. The effect may be enhanced by applying Special Grass Fertilizer to the runways before seeding, and by top-dressing them every spring and fall; it also helps if the runways are mown more frequently than the out-field.

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. 100 lbs. \$65, 1000 lbs. \$625.

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. 100 lbs. \$50, 1000 lbs. \$475.

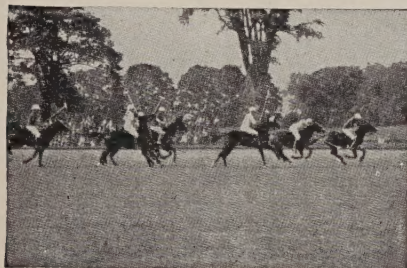
Turf for Racetracks and Polo

An improved grass track! Thick, springy, deep green in color, and tough—sod which will stand up after hard use. To produce it, and to repair damage caused by wear or drought, sow our Racetrack Formula seeds. On a polo field, the relatively smaller area permits more detailed care, and justifies the use of our Hurlingham Polo Formula.

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. 100 lbs. \$55, 1000 lbs. \$525.

Hurlingham Polo Formula. Mixture used on the well-known English field, adapted to American conditions. 5 lbs. \$5.25, 25 lbs. \$22.50, 100 lbs. \$80.

SPECIAL GRASS FERTILIZER 8-6-2. A superior grass food at a price low enough to justify its extended use. It contains both chemical and organic materials of high quality; hence it is both quick to show results and lasting in its effect. Compounded especially for us by the New Jersey Fertilizer Co. with no filler or make-weight. Use $\frac{1}{2}$ ton or more per acre for new grass; $\frac{1}{4}$ ton per acre for top dressing existing turf. In lots of one ton or more. Ton \$67.50.



Turf in the South

Southern Lawn Grass Seed

From central Virginia south, the ordinary northern grasses will not thrive permanently, and good results are not likely to follow the use of the customary mixtures. We offer a special formula which we find is highly satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. **Lb. 90 cts., 2 1/2 lbs. \$2.15, 5 lbs. \$4.25, 10 lbs. \$8, 25 lbs. \$19, 100 lbs. \$70.**

Bermuda Grass Seed. A superior strain for southern lawns and pastures. **Lb. \$1, 10 lbs. \$8.50, 100 lbs. \$75.**

Hulled Bermuda Seed. **Lb. \$1.25, 10 lbs. \$11, 100 lbs. \$100.**

Carpet Grass Seed. Recommended for southern lawns or pastures in moist soil. **Lb. \$1.25, 10 lbs. \$11.50 100 lbs. \$100**

FLAWN (*Zoysia matrella*). New wonder grass for the South. Thrives on heat. Has a fine leaf, is vivid green, dwarf and requires little cutting. Chinch-bugs usually avoid it. For both shady and open lawns. May be used for bright green summer lawns in the North. Propagated from runners. Fills in, in one year.

One bushel of Flawn sod, shredded, plants 100-200 sq. ft. of lawn. **\$7.50 per bushel, f.o.b. Miami, Fla.**

Turf Grasses and Their Cost

The law in most States requires that an analysis tag be placed on all packages of lawn seeds. Please read it.

Kentucky Bluegrass, Chewings Fescue, and Bent Grasses are the principal permanent grasses in northern lawns. Shade Bluegrass (*Poa trivialis*) is good in shade mixtures; in sunny mixtures, also.

These varieties should PREDOMINATE in a good mixture. Unfortunately they are expensive and our mixtures may appear to cost more, but the use of the best seed is proper economy, saving much weeding and renovating expense later.

Redtop is a semi-permanent nurse grass and a moderate percentage is advisable in most mixtures. Perennial Ryegrass is semi-permanent too, and another good nurse grass, particularly in shade formulas and for spring sowing; but it should form only a moderate percentage of the mixture. White Clover, where desired, may form a very small proportion of the grass mixture. Common Ryegrass is an annual, and should only be considered as a nurse grass or for temporary lawns. We do not recommend Timothy for lawns.

Both Common Ryegrass and Timothy are quick to start, and cheap. A lawn sown with a mixture containing them may get a head start and look superior for the first few weeks, but eventually it will be surpassed both in permanence and in good color by lawns sown with higher quality seed. Good seed is still the lowest cost item in producing turf.

HOW TO MAKE A LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the minimum rate of 1 pound (about $1\frac{1}{3}$ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than $\frac{1}{8}$ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

How about grub-proofing? For Japanese beetles apply bacteria of milky disease, which is fatal to them, by using *Sawco-Japy (1 lb. treats 4000 sq. ft.); or you may broadcast *Senoled at 25 pounds per 1000 square feet when the lawn is being made and use it annually thereafter.

How long will the lawn be growing? Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow it.

When is the best time? Early spring and late summer are most favorable, while seed will do well on level ground if sown in winter. Watch for and remove crab grass from late spring sowings. Do not sow during hot weather.

Will the above directions hold on poor or sandy land? Before commencing work on poor soil, spread *Sawconure at the rate of 100 pounds to each 1000 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying Sawconure, digging, then adding at least 2 inches of top-soil. When preparing soil of this character, 1000 pounds of *Humus per 1000 square feet may also be used to advantage. In every case apply Emerald Grass Fertilizer as suggested above.

How about moist, sour soil? Spread *Pulverized Limestone on the dug-over land at the rate of 100 pounds to each 1000 square feet and rake in; wait a week and then follow directions. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

Should I sprinkle the new lawn? Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks for fear of disturbing the seed. Later when the grass has started, the young lawn should never be allowed to become dry.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it occasionally, and water it during dry weather.

How about White Clover? We include Clover only in our "High Grade" Lawn Seed, Urban, and New Jersey Formulas 1 and 4. We omit it from all other mixtures, because Clover is often not liked nowadays in the finest lawns. For the convenience of our customers who wish it, we offer Superfine White Clover separately (see page 7). Mixed with grass seeds, the usual allowance of Clover is 5 per cent.

REJUVENATING TURF

LARGE-SCALE RENOVATING

First, mow closely and spray with one of the Chemical Weed-Killers listed on page 3. A lawn of pure Bent, however, is an exception; here hand-weeding only is recommended. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Grass Fertilizer, 20 pounds per 1000 square feet. Spread sufficient topsoil to make an even surface without hiding the grass.
3. Rub with the back of the rake.
4. Sow lawn seed, $2\frac{1}{2}$ pounds per 1000 sq. ft.
5. Again rub with the rake. Grass must be dry; early spring and late summer best seasons.

REPAIRING A LAWN

RENOVATING SMALL AREAS

Should your lawn fail in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees, remove weeds by hand. Then:

1. Roughen the surface with a rake.
2. Apply *Lawnspread.

Perhaps deliverymen cut corners and wear a path in the turf; here again, *Lawnspread will help. This mixture of soil materials, plant-foods, insecticides, fungicides, and grass seed is described on page 3. Allow one unit to each 200 square feet and apply every month, from March to November, until the turf is perfect.

ROUTINE CARE OF YOUR LAWN

Mow twice a week, setting your machine so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Weeding. All soils contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Fill all weed-holes with *Lawnspread.

Large lawns that are exceptionally weedy may be sprayed with one of the Chemical Weed-Killers discussed on page 3.

Water an established lawn only when it is needed, but give plenty during dry spells in July and August. Use an approved sprinkler and soak every three days. On established lawns watering is usually unnecessary in spring and fall.

*Chin-Chex will control attacks of chinch bug, should they occur. Use $2\frac{1}{2}$ pounds per 1000 square feet, forced with a duster through the grass onto the soil. Rub with the back of a rake.

Feeding. Spread *Emerald Grass Fertilizer every spring at the rate of 20 pounds per 1000 square feet, and *Sawconure, at 50 pounds per 1000 square feet, every late autumn. *Limestone every second winter, at the rate of 50 pounds per 1000 square feet, will be helpful in most sections.

The story of a good lawn



Individual Grass Varieties

Of Known Quality—Maximum Purity
and Highest Germination

Clovers and Hay-Pasture Mixtures are offered on page 30. Other Farm Seeds 28 and 29.

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$2.25, 10 lbs. \$20, 100 lbs. \$175.

SEASIDE BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$2.25, 10 lbs. \$20, 100 lbs. \$175.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$2.10, 10 lbs. \$18.50, 100 lbs. \$160.

COLONIAL BENT (*Agrostis tenuis*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$2.05, 10 lbs. \$18, 100 lbs. \$155.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$2, 10 lbs. \$17.50, 100 lbs. \$150.

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Lb. \$10.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Superfine Sample. For specialists' use.... \$0 70 \$6 00 \$50 00
Fine Recleaned Seed. High germination... 65 5 50 45 00
Unhulled. 55 4 50 35 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

KENTUCKY BLUEGRASS (*Poa pratensis*; June Grass). Used for all purposes in the northern states. Lb. 10 lbs. 100 lbs.

Superfine Sample. For Specialists' use.... \$1 05 \$9 50 \$80 00
Fine Recleaned Seed. High germination... 95 8 50 70 00

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$65.

ANNUAL BLUEGRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Price on request.



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work was carried on for many years.

Prices on This Page, except where noted, Include Delivery to Any Point in the United States

NEW YORK 8, N. Y.

Many of the above are over 99 per cent pure. Because of this exceptional refinement they actually cost less, for you get more living seeds of the kind you want. Fewer weeds also.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$85.

CHEWING'S FESCUE. U. S. grown seed. High purity and germination. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$90.

CREEPING RED FESCUE (*Festuca rubra genuina*). For fine turf Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$95.

CREEPING RED FESCUE, ILLAHEE STRAIN. See page 30. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

MEADOW FESCUE (*Festuca elatior pratensis*). A flat, broad-leaved grass. Tall; grows quickly. Lb. 70 cts., 10 lbs. \$6, 100 lbs. \$45.

TALL FESCUE, ALTA STRAIN (*Festuca elatior*). Mostly used for pasture; does well on moist heavy land. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$85.

Rye Grasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 55 cts., 10 lbs. \$4.75, 100 lbs. \$37.50.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfed type of English Ryegrass. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$42.50.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$30.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South. Lb. 45 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$55.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$70.

LINCOLN BROMEGRASS. Slow growing perennial. Fine for hay and pasture, and a good companion to Alfalfa. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$90.

DALLAS GRASS (*Paspalum dilatatum*). A perennial hay or pasture grass for the South and tropics. Lb. \$1.25, 10 lbs. \$11.50.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 60 cts., 10 lbs. \$5, 100 lbs. \$40.

AKAROA STRAIN ORCHARD GRASS. See page 30. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

REED CANARY GRASS (*Pbalaris arundinacea*). For land which is continuously wet. Sow 10 lbs. per acre. Lb. \$1.60, 10 lbs. \$15, 100 lbs. \$135.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

TIMOTHY (*Pbleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 35 cts., 10 lbs. \$2.50, 100 lbs. \$18.50.

WHITE CLOVER (*Trifolium repens*). Used for lawns and pasture. Oz. 25 cts., 1/4 lb. 50 cts., lb. \$1.50, 10 lbs. \$13.50, 100 lbs. \$115.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. The plant is smaller and dwarfier, with fewer blossoms. (Imported seed.) Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

YARROW (*Achillea Millefolium*). Drought-resisting plant with delicate fern-like leaves. Sometimes used for lawns. Lb. \$2.50, 10 lbs. \$24, 100 lbs. \$200.

BERMUDA GRASS. A strongly creeping, medium-fine grass for lawns and putting-greens in the South. Lb. \$1, 10 lbs. \$8.50, 100 lbs. \$75.

BERMUDA GRASS. Hulled Seed. For speedier germination. Lb. \$1.25, 10 lbs. \$11, 100 lbs. \$100.

CARPET GRASS. Coarser than Bermuda Grass, but good on moist, sandy soils. For pastures and lawns. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

FLAWN (*Zoysia Matrella*). The new wonder grass for the South. Propagated from small runners. Per bushel plants 100-200 square feet, requiring one year to fill in, \$7.50, f.o.b. Miami, Fla.

VEGETABLE SEEDS of Exhibition Quality

Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Allow 1 pound of seed to each 100 feet of row.

Place the seeds 2 to 3 inches apart in drills and about 2 inches deep. The rows should be about 1½ feet apart. Cultivate frequently around your Beans, but always when plants and land are dry. Thin so that Bean plants stand 4 or 5 inches apart. Plant a 10- to 25-foot row every two weeks, starting around May 1 and continuing until August 10.

Snap Beans begin to yield about 8 weeks after sowing.

Green-Pod Bush Beans

Ranger. ★ All-America Bronze Medal Winner for 1948. Produces an abundance of exceptionally fine-quality stringless round pods. Disease-resistant. Plant is of spreading half-runner type. Pkt. 25 cts., ½ lb. 50 cts., lb. 90 cts.

Supergreen. Winner, Bronze Medal, All-America Seed Selections for 1948. A medium to late, high-quality variety with long slender, round-section pods, absolutely stringless and of superior flavor. Disease-resistant; 15 inches high. Pkt. 25 cts., ½ lb. 55 cts., lb. \$1.

Longgreen. New. Winner for 1946 of the All-America Seed Trials. Pods are 1 inch longer than other modern sorts, round, meaty, with no fiber or strings; their flavor is the best. The large plant seems harder and a more certain cropper. Pkt. 20 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Keystonian. ★ Winner of the All-America Award for 1944 as the best *all-purpose* Bean to date. Ideal for home use, canning, freezing, shipping and market gardening. The pods are long, straight, stringless, fiberless, dark green and of delicious quality. Ready to pick in 8 weeks. Pkt. 20 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Plentiful. Similar to Bountiful, but thicker, longer, straighter, and darker. They are also more nearly stringless. Matures in 50 days and is resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Streamliner. Robust, and resists cool weather; the abundant, flattish pods average 7 inches in length, are stringless. You may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.00.

Tendergreen. ★ Handsome, 6-inch, round-podded Beans, without strings and of melting flavor. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Stringless Green-Pod. ★ Splendid first-early round-podded Bush Bean. Entirely stringless; 5 inches long, slightly curved. ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Giant Stringless Green-Pod. ★ Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Stringless Black Valentine. ★ A heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Dwarf Horticultural. Pods medium length, slightly curved, splashed bright red on yellow. The green-shelled Beans are fine flavored. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Wax-Pod Bush Beans

Puregold. ★ All-America Bronze Medal Winner for 1948. Pods nearly 6 inches long, slender, pencil-round, stringless, and with wonderful flavor. Resists mosaic disease. 58 days. Pkt. 25 cts., ½ lb. 50 cts., lb. 90 cts.

Cherokee Wax. ★ All-America Winner for 1948. Splendid new golden yellow variety with stringless oval-section pods. Hardy, vigorous and medium-early; prolific, meaty and of very fine flavor. Pkt. 25 cts., ½ lb. 50 cts., lb. 90 cts.

Sure-Crop Stringless Wax. Large, sturdy plant bearing an abundance of handsome, golden yellow pods which are quite stringless. Resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Brittle Wax. ★ The earliest Wax Bean; also a great cropper. Pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Black Wax. ★ Round pods; early; good. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Golden Wax. Large, flat-section pods devoid of strings; tender and of excellent flavor. ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

★ Kinds so marked suitable for Quick Freezing

A 25-foot row should yield 25 pounds or more of Beans (pods). They supply vitamins A and G; also phosphorus and copper.

Asparagus Roots

A plot of rich deep soil 8 feet by 50 feet will take 100 roots 12 inches apart; enough for an ordinary family. Let the plants grow two full seasons before cutting.

Paradise. ★ Fine new variety. Heavy producer of very large stalks. 2-yr. roots, \$2.75 for 25, \$5 for 50, \$9 per 100, \$80 per 1000.

Mary Washington. ★ Rust-resistant and vigorous. Colossal dark green shoots with a purple overtone. Large 2-yr. crowns, \$2.50 for 25, \$4 for 50, \$7.50 per 100, \$65 per 1000. 3-yr. crowns for forcing, \$3 for 25, \$5.50 for 50, \$10 per 100, \$87.50 per 1000.

Purchaser pays transportation beyond 50 miles on Roots.

Asparagus Seed

One ounce sows 100 feet of drill; transplant to 12 inches. Takes 3 years.

Mary Washington. ★ Seed, pkt. 15 cts., oz. 35 cts., ½ lb. 85 cts., lb. \$2.25.

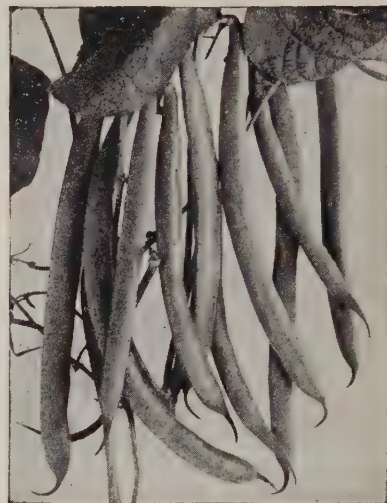
ARUCULA (Rucola or Rocket). Salad plant with sharp flavor and distinct odor. Healthful. Sow in drills 18 inches apart. Thin to 6 inches. Pkt. 20 cts., oz. 85 cts.

The Vitamins and Minerals

ASPARAGUS. Furnishes vitamin B₁; also phosphorus and copper.

BEANS. They supply vitamins A and G; also phosphorus and copper.

BROCCOLI. Outstanding as a supplier of vitamin A, and an excellent one of vitamin G. High in calcium, phosphorus and copper.



The longer-podded Longgreen Bean
Refugee Beans for Eating
Fresh or for Canning

Sow in summer for late crop

Stringless Refugee. ★ A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½ lb. 30 cts., lb. 60 cts., 5 lbs. \$2.75.

Broccoli

Cooks in twenty minutes, without unpleasant cooking odor. Sow indoors in March, and plant out 24 inches apart. One ounce produces 3000 plants. Takes about 8 weeks from the time they are set out for the king sprout to be ready; side heads follow all summer. Sow in July for autumn.

A 25-foot row should give you a total of 3 bushels of healthful food.

Italian Market. ★ Bluish green head. Pkt. 25 cts., ¼ oz. 55 cts., ½ oz. 90 cts., oz. \$1.50.

Broccoli-Rape (Non-heading). Delicious cooking green, popular with Italian growers. Leaves are smaller and thinner, buds are in less tight heads. Plant is ready when first yellow bud breaks. Pkt. 15 cts., ½ oz. 55 cts., oz. 90 cts.

GLOBE ARTICHOKE (Cynara Scolymus). One ounce produces 500 plants. The flower buds are eaten boiled or raw. Sow indoors, and set out in May in 3-foot rows with 2 to 3 feet between the plants. Mulch over winter in the North. Usually bears second year.

Large Green. Pkt. 25 cts., ½ oz. 75 cts., oz. \$1.25.

JERUSALEM ARTICHOKE (Helianthus tuberosus). Has potato-like tubers. Plant in 3-foot rows, a foot apart in the row; cultivate occasionally. Qt. 75 cts., pk. \$4.50.

Purchaser pays transportation beyond 50 miles on Roots.

COLLECTIONS OF VEGETABLE SEEDS ARE DESCRIBED ON PAGE 12

We Offer Stout Cedar BEAN-POLES for climbing sorts at \$3.50 per dozen. They last many years.

POLE SNAP BEANS

One pound plants 200 hills. The flavor and quality of these types of Bean are very high. Grow them if you have the room. Erect stout poles 3 feet apart; sow 8 Beans in a circle around the base after danger of frost has passed; thin to 5 plants per pole. Or you may grow them against a wire fence, allowing 1 pound per 100 feet.

Decatur. ★ Vigorous novelty, climbing 6½ feet and covered with dark green, high-quality pods, round in section and stringless. Seeds are small and white. Resistant to disease, it is recommended for garden and commercial use. Won Silver Medal in the All-America Seed-Trials for 1942. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Old Homestead (Green Kentucky Wonder). ★ The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Yard-Long Asparagus. A remarkable Bean, yielding rounded pods of enormous length. The quality is excellent. Pkt. 20 cts., ½lb. 50 cts., lb. 85 cts.

Beans for Growing Under Glass (DWARF)

These are of interest only to the professional gardener anxious to produce a crop out of season in a greenhouse.

The Prince. New sort, quick to mature and cropping enormously. The pods are without strings, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., ½lb. 50 cts., lb. 95 cts., 5 lbs. \$4.

Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

Beans for Baked Beans

Grow until fully ripened; then shell. Pods are inedible.

White Marrow. The large straight pods each contain half-dozen large white Beans, ready in about 4 months. Excellent flavor. Height 1½ feet. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Pea or Navy. Large, spreading plant with strong runners. The white "Boston" Beans are small and oval. Harvested 3 months after seeding. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Red Kidney. Beans are red. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Broad (Fava) Beans

Differ from American types in that they do best in cold weather; light frost does them no harm, and they should be planted early. Select strong land and spray continuously against aphid and blight. Not recommended for the home-garden.

English Windsor. Heavy pods are produced in pairs with 3 or 4 large Beans in each. Tender and delicious. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.



Pole Snap Beans

Early Giant Lima Beans

Edible Soy Beans

If you have plenty of room, grow this new 30-inch high crop, the yield of which is so heavy in proteins, fats and vitamins A, B₁ and G. Extraordinary yields are obtained. Beans may be harvested in about the same relative stage as garden peas, and cooked in the same way. Or they may be grown along like Pea or Navy Beans, allowed to ripen on the plant. Pods are discarded. Send for leaflet.

Selected Seed. ★ An excellent legume. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Soy Beans for Sprouting

Used in Chinese cooking. Lb. 25 cts. (postpaid 40 cts.); 5 lbs. \$1 (postpaid \$1.25).

How to Grow Lima Beans

Don't waste your seed by sowing Lima Beans before all danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 2 inches deep, putting the Beans 3 inches apart in the row, "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put 6 seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, the Beans dried and kept for winter.

Lima Beans take almost the whole season to grow. You cannot plant them for succession, except Early Giant. A good idea is to first sow an exceptionally quick crop, like radish, mustard or spinach, dig when harvested and then sow Limas.

One pound of seed plants 50 to 100 feet of drill or 50 hills.

Should you notice your plants being spotted or spoiled by blight or fungus (and this applies to Snap Beans also), pull out each affected plant and burn it; this does not often happen. But you are very likely to find damage by the Mexican bean beetle. In the soil around the plants you may see the mature beetle, like a spotted, rather large yellow lady bug. Under the leaves are clusters of the orange-yellow eggs, with the yellow, spiny larva that hatch from them. The leaves will be eaten into lacy designs, the larva eating the leaves, but leaving the veins. Hurry and dust your plants with Hortex, or spray them, especially the under side of the leaves, with Rotene.

A 25-foot row or ten hills should supply 25 pounds or more of Lima Beans (pods). They supply vitamins B₁, C and G; also phosphorus, copper and some iron.

★ Kinds so marked suitable for QUICK FREEZING

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

Peerless. ★ Ideal for canning and freezing; good for the garden also, especially in the East. Clusters of rather short pods, holding from 2 to 3 medium-size green Beans that are unexcelled for flavor. Yields heavily even under adverse weather conditions. Honorable Mention, All-America Seed Trials for 1948. Pkt. 25 cts., ½lb. 55 cts., lb. \$1.

Fordhook 242. ★ An improved Fordhook and an All-America Seed-Trials Winner. Like Fordhook, the Beans are thick, but of only medium size—the true "potato" type. Yields are outstanding, and first pickings of Two-forty-two are very large. Quality is high. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

Fordhook. ★ A dwarf form of the Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty and very tender. Pkt. 15 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

Baby Potato. ★ Beans are somewhat smaller than Fordhook. The plant is smaller also, so it is interesting to those whose garden space is limited. Flavor is especially good. Pkt. 15 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

Early Giant. ★ The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 near New York. The flavor is refined, and the fine, luscious Beans, which are large, thick, and flat, are produced in remarkable quantity. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

Improved Bush. A fine standard Bush Lima; the pods are large in size and are well filled with larger Beans. A great producer; growth vigorous; the blossom-bearing stalks are thrown well out of the foliage, and the Beans are ready for picking very early. ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Henderson Bush. ★ Beans are small, but are produced in quantity. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

Green-seeded. The vine is strong and vigorous, with large runners or branches, producing many pods closely filled with large Beans, many of the pods containing four. This is a broad-seeded variety much nearer to having every Bean perfect than any other Pole Lima. The green tint is distinctive, for it retains this tint in the dry state to a greater extent than usual, which indicates good quality, being fine-flavored and more tender than white-seeded Beans. It is the most perfect Pole Lima. Pkt. 15 cts., ½lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Challenger or Potato Improved. Early. A small thick Bean of excellent flavor. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

King of the Garden. Beans flat and large. ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Ford's Mammoth. Very large pods, frequently measuring 9 inches long; Beans flat and large; productive and of good flavor. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Early Leviathan. Early variety with pods in clusters. Splendid where the season is short. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

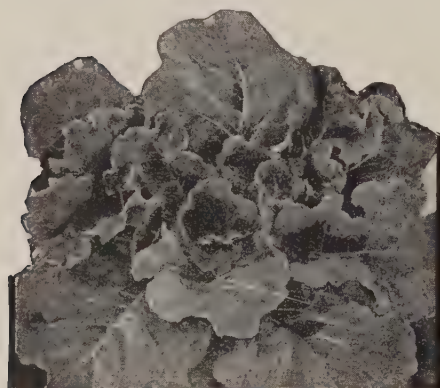


Improved Wonder Beet

Improved Wonder. This selection was given a gold Medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine darker-colored flesh, exceptionally tender and sweet. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Good for All or Baby Detroit. Fine flavor, without earthiness and woodiness. Uniform in shape, regular in size and color. A perfect globe. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.



Georgia Collards

GEORGIA COLLARDS. A leavy plant with a large loose head which is served boiled and tastes like cabbage. Sow early in spring or early in autumn. Outstanding source of vitamin C; good one of A and G; fair source of B₁. High in calcium and phosphorus, with some iron. One ounce will produce about 3000 plants. About 5 weeks from seed to cutting. A 25-foot row should give you a total of 2½ bushels of produce. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.25.

RED BEETS

One ounce will plant 100 feet of drill and should yield 100 pounds or more of roots. Allow 5 to 6 pounds of seed per acre. Ready in from 8 to 11 weeks.

THEY ARE EASY TO GROW and pay well for the space they occupy. Seed may be sown $\frac{1}{2}$ inch deep at two-week intervals from early spring to mid-July. The ground should be spaded well and deep, placing rows about 12 inches apart. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 3 inches between the plants so as to give ample room for the proper development of the roots. Thinnings make excellent boiled greens. Beets are best for pulling when about 2 inches in size.

A few seeds of Radish sown in with the Beets will come through first, marking clearly the row and showing you where to start hoeing. Pull Radishes when they are mature; your crop of Beets will not be reduced by this two-kinds-in-one-row scheme.

Beets may be kept for winter use in boxes of sand in a cool cellar, or in a pit outdoors. Or they may be preserved or pickled.

Beets are nourishing and are an excellent source of copper. The tops or greens are especially valuable, supplying vitamins A, B₁, C and G, along with calcium and iron.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets will be ready for table use. They do not all mature at the same time, thereby lengthening the period of perfection and making it an ideal home-garden sort. Flesh bright red with light purple zones. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.55, lb. \$3.75.

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. Very sweet. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Crosby's Original Egyptian. The smooth, dark red roots have light green foliage, speckled with red. The flesh is carmine with white zones, very tender and of sweet quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Winter Keeper. A distinct and a very fine strain of main-crop Beet. Excellent flavor, well preserved during winter storage in a cellar or pit. Almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Long Type

Long Blood. (Out of Ground.) Late variety, over a foot long. Five inches grows above ground. Deep red, sweet, and of high quality; it keeps through into the winter; its size and shape make it economical. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

SUGAR BEET AND COW BEET (Mangels)

Palatable, easily stored, readily digested and nutritious animal food. Roots are produced in large quantities and may be stored into winter in root-cellars or outdoor pits. Sow in drills 30 inches apart, thin to 12 inches. 6 to 8 pounds per acre in spring.

Klein Wanzleben Sugar Beet. High sugar content. Oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

Mammoth Long Red Mangel. Roots are enormous, uniform in shape, smooth and clean, with small top-growth. May grow 3 feet long. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

Half-Sugar Rose Mangel. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

Golden Tankard Mangel. Splendid yellow kind. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

BRUSSELS SPROUTS

Excellent source of vitamins B₁ and C; fair one of G. High in phosphorus and copper.

One ounce will produce about 3000 plants; 30 to 50 plants suffice for an average family. Yields within 14 weeks of sowing seed.

Sow thinly outdoors in late spring; when 4 inches high, plant out 2 feet or more apart. Keep the soil well cultivated all summer, and in October begin gathering the sprouts.

A 25-foot row should give you 20 quarts or more.

Favorite. Half-dwarf strain, thickly covered with tight sprouts. Pkt. 25 cts., $\frac{1}{4}$ oz. 55 cts., $\frac{1}{2}$ oz. 90 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$5.

CARDON. Grown like celery and served like asparagus. Sow in May, and transplant seedlings 3 feet apart. Three weeks before using, the heads are tied, straw is piled against them, and soil is heaped against the straw to blanch them. Pkt. 25 cts.



Good for All Beets



Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. From 10 to 14 weeks from seed to harvest.

Outstanding source of vitamin B₁; good one of C; fair source of G. High in phosphorus.

Sow 1 inch deep in February or March in a hot-bed and transplant in April. Have the plants 2 feet apart in rows 2½ feet from each other. Rich soil is essential. Outdoors sow the first week in May and transplant in July. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover. For wintering under glass sow in September; transplant into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe.

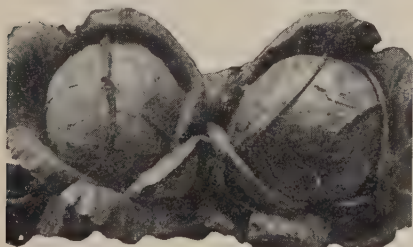
Best of All. ★ The easiest to grow. The plant is dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant forms a large head. Pkt. 35 cts., ½oz. \$1, ¼oz. \$1.75, ½oz. \$3.25, oz. \$6.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 30 cts., ½oz. 80 cts., ¼oz. \$1.50, ½oz. \$2.75, oz. \$5.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., ½oz. 65 cts., ¼oz. \$1.25, ½oz. \$2.25, oz. \$4.

Autumn Giant. This is larger and slower-growing than the above varieties; used in warmer climates. Pkt. 15 cts., ½oz. 45 cts., ¼oz. 85 cts., ½oz. \$1.50, oz. \$2.85.

Italian Purple. Head purple, cooking to green; in flavor it is similar, but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 35 cts., ½oz. 85 cts., ¼oz. \$1.65, ½oz. \$3, oz. \$5.50.



Golden Acre Cabbage

CABBAGES

When served raw or not cooked over-long, Cabbage is a valuable food. An excellent source of vitamin C, and an outstanding one of calcium, with some phosphorus.

Sow early kinds 1 inch deep indoors in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Early sorts may be planted in rows 2½ feet apart, with 18 inches between plants in the row; late kinds should stand 2½ feet each way. To be well grown Cabbages require a deep, rich, loamy soil, but should it be too rich some late kinds may show signs of bursting. If this occurs, push the plants over to one side and so check their growth.

Certain diseases, particularly "Yellows," where the young plant becomes stunted and eventually dies, affect Cabbages; sickly specimens should be pulled up and destroyed.

One ounce will produce about 3000 plants

Early and Midseason Sorts

Yield in from 10 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 15 cts., ½oz. 40 cts., oz. 70 cts., ¼lb. \$1.75.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 15 cts., ½oz. 40 cts., oz. 70 cts., ¼lb. \$1.75.

Copenhagen Market. The stem is short, the head round and solid. Heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. Leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 20 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.50.

Famous Early Conical. An extremely quick-maturing variety, cone-shaped, and very distinct. Ideal for private gardens, requiring less space than most kinds, and heads sooner. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.30, ¼lb. \$3.75.

Late Cabbage

Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

Large Late Flat Dutch. Fine for winter use. One of the most reliable sorts; produces immense heads of the finest quality. Splendid keeper. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.65.

Danish Drumhead. Similar to Danish Ballhead (above) but earlier. The round heads are very solid, fine-grained and sweet. Pkt. 20 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.50.

★ Kinds so marked suitable for QUICK FREEZING



American Drumhead Savoy Cabbage

Savoy Cabbage

Yields in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

Red Cabbage

Yields in from 11 to 15 weeks

Early Red. The earliest red; 25 days quicker than Mammoth Rock. Plants are small and compact, the heads medium size, round, very hard. Deep red. Pkt. 20 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.50.

Mammoth Rock Red. The largest Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

Chinese or Celery Cabbage

A desirable vegetable, nearer to mustard than Cabbage, palatable and healthful. A cool-weather crop; sow very early in spring; better still, in August for late autumn cropping.

Wong Bok. A very compact plant, short and broad. Needs less space in the garden. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$1.75.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$1.75.



Chinese Cabbage: Wong Bok (left) and Pe-Tsai. (Outer leaves have been removed.)

CARROTS

Well known to be a good source of vitamin A, the eyesight vitamin. They are most palatable and nutritious when eaten raw. Very easy to grow, and highly profitable from the point of view of utilizing garden space; so attractive that many do not hesitate to edge their flower gardens with them. They are particularly free from attacks by insects and diseases.

Sow from April to July in drills $\frac{1}{2}$ inch deep and 15 inches apart; thin out to 2 inches. Radish seed may be sown along with Carrot to give you two crops from the same row, and the Carrots may be stored over winter the same way as beets are. See under Beet on page 10.

One ounce will plant 100 feet of drill, and should yield 100 pounds or more of produce.

Best Early Kinds

Yield in from 9 to 10 weeks

Rubicone. ★ A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as “coreless” as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

Melting Marrow. ★ A fine half-long variety, cylindrical in shape and of wonderful butter quality. Skin is smooth and the fine red color is carried through the entire root. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

French Forcing. Largely grown under glass. Small, almost globe-shaped root of an orange-red color. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Selected Chantenay. ★ A splendid half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$2.75.

Greater Chantenay. All the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are $1\frac{1}{2}$ inches longer. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

Half-Long Scarlet Nantes. ★ The skin is smooth, flesh red, and without any core. Excellent for forcing and general use. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

Oxheart or Guerande. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.

Two Carrots for Prize Winning

Exhibition Danvers and Exhibition Chantenay. For top honors at vegetable shows we offer these two strains specially selected for perfect shape, uniformity and size. For those also who wish to have the best in their garden. Price each, pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

★Kinds so marked are suitable for QUICK FREEZING



Rubicone Carrots

Late Varieties

Yield in from 11 to 13 weeks

Sow these in summer for winter use.

Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the market-man's requirements also. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, of excellent table quality, smooth, and has little core. This selected stock we are now offering has been specially grown for market-gardeners and is sure to give satisfaction. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

Long Red Surrey. Larger, better-flavored, and a deeper orange color than most others; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Selected Long Orange Improved. One of the most desirable for either garden or field culture; it grows to a large size, fair specimens averaging 12 inches in length and 3 inches in diameter at the top. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

New Red Intermediate. It is one of the most uniform in shape that we know, and where the soil is favorable, it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

FIELD CARROTS

Especially valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. $\frac{1}{4}$ lb. 75 cts., lb. \$2, 10 lbs. \$19.

Danvers Cattle **Long Orange Cattle**
Above 2, $\frac{1}{4}$ lb. 85 cts., lb. \$2.50, 10 lbs. \$24

HELP! HELP!

Relatives and Friends in Starving Europe to Produce Food

Many in European countries long to help themselves by growing vegetables and root crops, but seeds, and in most cases money to purchase them, are not readily available.

We have assembled several mercy collections of our choice stocks that we offer at special prices, including all charges. We take care of packing and shipping details.

Collections for Europe

COLLECTION NO. 1. \$2.50

Twenty reliable vegetables, one packet each of twenty kinds.

COLLECTION NO. 2. \$5

Twenty-five splendid kinds, comprising two one-pound units, six one-ounce units, one half-ounce unit and sixteen separate packets. Twenty-five sorts in all.

COLLECTION NO. 3. \$10

Thirty-four dependable sorts: two one-pound units, one half-pound unit, one quarter-pound unit, twelve one-ounce units, two half-ounce units and sixteen packets. Thirty-four kinds in all.

ASTA ASSORTMENT \$3.95

Collection sponsored by the American Seed Trade Association. Comprises two half-pound units, two two-ounce units, four one-ounce units, two half-ounce units, thirteen packets (fourteen to south European countries). Enough seeds to produce FIVE TONS of vegetables.

Price includes direct mailing to any individual in Europe, or if preferred, one or more ASTA Assortments may be addressed to the non-profit organization, Church World Service, Inc., for delivery to neediest families abroad known to them, regardless of faith or race. Quantity lots may also be distributed in this way, price: 25 to 99 Assortments \$3.65 each, 100 or over, \$3.50 each.

Cultural directions enclosed in four languages. If instructed, donor's name also included with package.

List of Contents mailed on application.

Prices include Postage and Packing, and we guarantee safe arrival.

If preferred, you may make your own selection from this Catalogue; add 10 per cent for postage and packing. Do not include Tobacco seed, which may not be mailed out of the U. S.

Collections for the United States

They save you money—time also. For use in America; they make ideal gifts.

FREEDOM GARDEN COLLECTION A. For from 500 to 1000 sq. ft. Fifteen packets high-quality seeds of the most popular vegetables for outdoor sowing. Value \$2.30, for \$1.75, postpaid.

FREEDOM GARDEN COLLECTION B. For 1000 to 2500 sq. ft. High-quality seeds for outdoors. Seven separate ounces, one-half pound, three separate pounds and four packets, fifteen varieties in all, value \$5.80, for \$4.50, postpaid.

EARLY SEEDING COLLECTION D. For sowing indoors in late winter. Five generous packets, one each of early Cabbage, Celery, Eggplant, Pepper and Tomato. Value 85 cts., for 65 cts., postpaid.

Full-size packets; same high quality as all our Vegetable Seeds.

STUMPP & WALTER CO.

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 14-inch size they cost \$4.50 per 100. See Implement Section.

CRISP CELERY

Ounce produces 3000 plants. Early sorts take 15 weeks, late sorts about 18 weeks after setting out.

Sow the seed $\frac{1}{4}$ inch deep in a coldframe in March or outside in April or May and again in July. Transplant or thin to 6 inches apart. Rows often are double, the parallel rowlets 6 inches from each other. Rows or double rows should be 3 feet apart. Three weeks prior to harvesting, the plants should be boarded, wrapped, or earthed to blanch them.

Early Quick-blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to disease, (d) earlier maturity, (e) keeps better, (f) increased size. Nutlike flavor and handsome appearance. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Golden Treasure. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Pkt. 30 cts., 4 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75, oz. \$4.

Summer Pascal. Highest quality green Celery: short, heavy, nutty and brittle; almost ribless and entirely stringless. Blanches easily in two weeks. Full golden heart. Pkt. 25 cts., 4 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Cornell No. 19. A yellow self-blanching type with the quality of the Pascals, and good for main and late crops. Splendid flavor. Well-formed hearts; outer stalks long, smooth-ribbed, deeply rounded and without strings. Resistant to disease. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Paris Golden Self-Blanching. Compact, stocky, with golden green leaves. The solid, brittle heart blanches quickly; fine, nutty flavor. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.50.

Improved White Plume. Tender and of the very best flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

CHERVIL, Moss Curled Extra. One ounce will plant 150 feet of drill. Treat and use like parsley, for garnishing and flavoring soups and salads. Pkt. 20 cts., oz. 75 cts.

CHICORY, Witloof (French Endive). Sow in spring. Roots are lifted in fall and planted during winter in a cellar or under a greenhouse bench, so that the root is 9 inches below the top. Fill level with sand or manure; through this the familiar white salad appears in about a month. Pkt. 20 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.

Large-rooted Magdeburg. Ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.75.

CORN SALAD, Large-leaved. One ounce will plant 150 feet of drill. Sow in early spring and early fall. The latest sowings may be wintered if lightly mulched. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

CRESS, Curled or Pepper Grass. Seedlings used for salads and fillings for sandwiches. Good house-grown crop. Scatter seeds on fine soil and press—do not cover. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

WATER CRESS. Mix packet of seeds with about a pint of moist soil (one ounce in 4 quarts), roll into half-inch marbles. Push a marble here and there into the mud just under the water-level of your pond or slow stream. Pkt. 25 cts., oz. \$1.50.

Well-keeping Winter Celery

New Easy-Blanching. Like Golden Self-Blanching, but green in color and larger; the leaves blanch white. As good a keeper as any late sort, though maturing only two weeks after Paris Golden. The flesh is crisp and brittle, the flavor excellent. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Winter Queen. Medium large, light green in color. Blanches and keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

Giant Pascal. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$3.75.

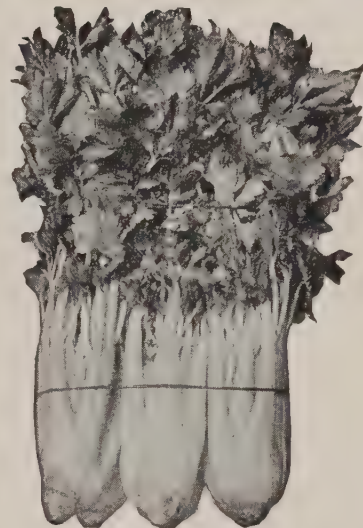
Cutting Celery. (For Soup Greens.) A loose-growing type from which stalks may be cut continuously. Do not earth or blanch. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.

Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

CELERIAC Turnip-rooted Celery or Knob Celery

Ounce sows 150 feet of drill, 3 pounds an acre.

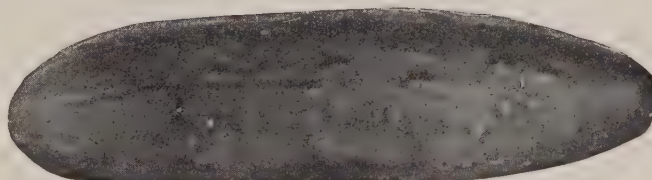
Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. This stock produces a good clean bulb, smooth, free from fibrous roots and uniform in shape. Pkt. 15 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.



Golden Plume Celery

Celery is a valuable anti-scurvy food. A fair source, also, of calcium and phosphorus

CUCUMBERS Fair source of vitamin G



Staysgreen Cucumber

Sow 8 seeds in a group or "hill" the size of a dinner-plate. Hills are flat unless the land is over-moist, when they may be 3 inches above the general level; and they should be at least 4 feet apart each way. After mid-May, sow at two-week intervals until mid-July. Thin to 3 plants per hill.

Ounce seeds 50 hills, 2 pounds an acre. Yield in about 9 weeks. Expect 6 Cucumbers per plant.

Marketer. Of recent introduction, producing very dark green, cylindrical fruits, $7\frac{1}{2}$ to 8 inches long, tapering slightly at the ends. Vines vigorous and prolific. An excellent market variety. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

A and C. New and better white-spine. Ten inches long, with rounded ends and small seed cavity. Crisp, solid flesh. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

Straight-8. A new green Cucumber of excellent quality. Fruits show no lighter striping, are about 8 inches long and $1\frac{1}{2}$ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Flesh brittle and of good flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Cool and Crisp. Good size, tender and crisp; very early and prolific. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 20 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and crisp. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Oriental Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

West India Gherkin (Cucumis Anguria). Distinct species, cultivated in the same way as the Cucumber. The spiny fruits are gathered when only 2 inches long and are ideal for small pickles. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Greenhouse Cucumbers

Their culture is exacting; they are of interest to professional gardeners with adequate facilities.

Improved Telegraph. (Imported Seed.) Very dark green, long and straight. By special arrangement, we have secured a selected strain. Pkt. (25 seeds) \$1, 3 pkts. \$2.75.

Forcing White Spine. Similar to the outdoor White Spine but larger. It grows freely under glass, and is early, prolific and robust. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

CORNFUME, a mineral-oil product injected into each ear with an applicator kills

CORN EARWORM. Bottle, with applicator **\$1.50**



Midget Corn needs little garden space, and the ears are about 4 inches long; each plant bears two to five of them

SUGAR CORN

Corn is an excellent source of vitamin B₁ and an outstanding one of the mineral, phosphorus. Two ears per plant is a good average yield.

May be gathered daily from July to frost if you plant every three weeks, from May 1 through July 15. It is a good idea to use more than one variety to keep you further supplied daily with fresh delicious Corn.

Sow in rows 1 inch deep, placing the seeds 3 inches from one another in the drill; later thin the young plants to stand 9 to 12 inches apart. Allow 3 feet between the rows. Or sow in "hills" or groups 2 to 3 feet apart, the size of a dinner-plate, 7 seeds to each group; later thin to 3 plants per group.

Grow the midget closer. Rows may be 2 feet apart, thinning to 6 inches, or place hills 1½ to 2 feet apart and make them the size of a saucer.

One pound plants 200 feet of drill or 200 to 300 hills.

New Hybrid Corns

Noted for flavor, quick ripening, heavy yield and disease-resistance.

Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is good for market and for the backyard garden also. Resistant to disease. Ears long, 12- or 14-rowed, with light cream-yellow, medium broad kernels. An improved Marcross. Ready in 72 days. Pkt. 20 cts., ½lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

Lincoln Hybrid. Won the All-America Bronze Medal for 1942. Plants are 5 feet high, robust and very leafy. The 7-inch ears are well filled to the tips with 12 to 16 rows of bright yellow kernels. Tightly sheathed, they resist earworm and bacterial wilt. Ready in 83 days. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.25.

Spancross (Extra Early). Stocky 4-foot plants yield in 66 days, 7-inch, 12-rowed ears, golden yellow and of fine quality. Resistant to wilt. Pkt. 20 cts., ½lb. 45 cts., lb. 80 cts., 5 lbs. \$3.50.

Golden Cross Bantam. ★ Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Ears 7 to 8 inches long, 10 to 14-rowed, maturing in 88 days. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.25.

Silver Cross Bantam. White variety, generally similar to the above; its somewhat larger ear possesses the same high quality, fine sweet flavor and tenderness. So good that it is expected to replace all other white kinds now in use. Ready in 82 days. Pkt. 20 cts., ½lb. 50 cts., lb. 95 cts., 5 lbs. \$4.25.

Evergreen Hybrid (Late). Similar to Stowell's Evergreen, but sturdier and more disease-resistant. Ready in 93 days. Pkt. 20 cts., ½lb. 45 cts., lb. 80 cts., 5 lbs. \$3.50.

HORSE RADISH CUTTINGS. Mature roots are grated to furnish the familiar sauce served with meat, oysters and fish. Plant in rich soil with the top of the cutting 2 inches under ground. 50 cts. per doz., \$3 per 100.



Golden Cross Bantam

Early Sorts

Yield in 10 to 12 weeks from planting

New Wonder Bantam. Grows 5½ feet high with 8-rowed, 9-inch ears and golden yellow, sugar-sweet kernels. More vigorous, more productive, and larger ears than Golden Bantam. 85 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Golden Wedding. Like Golden Bantam, but larger and with 12 rows instead of 8. Resistant to wilt. 87 days. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Golden Bantam. ★ Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready the ears are creamy yellow. 79 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Black Mexican. Jet-black ears; very sweet. 88 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Howling Mob. Fine white Corn of sweet table quality. Ears are 7½ inches long, 12-rowed, and are ready in 83 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Late Sorts

Yield in 13 to 15 weeks from planting

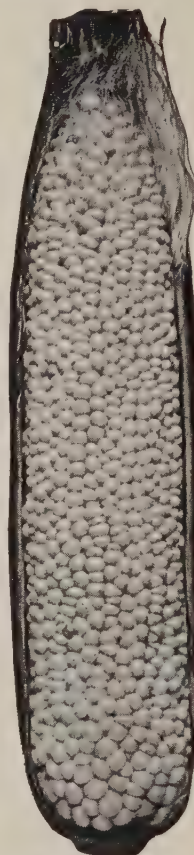
Golden Colonel. A hybrid with unsurpassed flavor and rich yellow color of Golden Bantam and the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. 93 days. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Country Gentleman. Very delicate flavor. Ear large, cob small, and pearly white kernels of great depth. 100 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. 100 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Long Island Beauty. 98 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

★Kinds so marked suitable for
QUICK FREEZING



Golden Colonel

MIDGET CORNS for the Small Garden

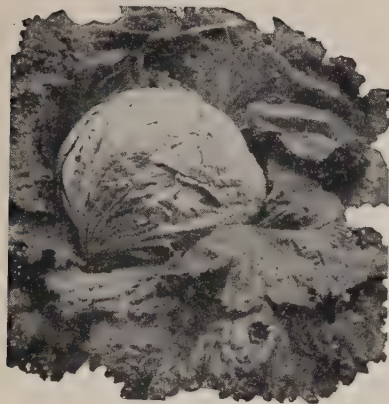
Ready in 55 days

White Midget. The plant grows about 30 inches high and the ears are 4 inches long, but two to five are on a single stalk. White kernels are delicious. Generous pkt. 50 cts., ½lb. \$1.

Golden Midget. A golden yellow form of our well-known Midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Generous pkt. 75 cts., ½lb. \$1.50.

DANDELION, Thick-leaved. Healthful boiled greens and a good salad. One ounce plants about 100 feet of drill. Have these drills 1 foot apart; thin the plants to 4 inches. May be blanched like endive. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.25.

Catalogna. The cut-and-come-again Italian Dandelion, Asparagus-Chicory or Ciccioria Catalogna. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.75.



New York Lettuce

LETTUCE

Contains fair amounts of calcium, phosphorus and iron; as much vitamin A, B₁ (Thiamin) and C as milk, and as much vitamin G (Riboflavin) as whole-wheat bread.

About the middle of March sow indoors. When seedlings are about 3 inches tall, transplant them to the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 12 inches apart.

One ounce will plant 400 feet of drill. Matures in from 10 to 12 weeks.

N. Y. Wonderful or Imperial Types

These provide the "Iceberg" Lettuce of the vegetable store. All are crisp, with crumpled leaves and a creamy white heart. Let us recommend No. 44 for low land, black and rich; Nos. 12, 515 and 847 if it is more loamy; PW 55 for earliest crop; 456 for use in summer in the East.

Imperial 456. Large, well-formed heads of crisply curled leaves tightly folded. Resistant to tip-burn. Pkt. 25 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Imperial 44. Withstands hot weather. Leaves are mid-green, thick, and the creamy white heart is firm and somewhat flattened. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$4.50.

Imperial 847. Black seed. Gives good results on upland soil. Best for the first field planting. Excellent for autumn use. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$4.50.

New York 515. In demand among growers in the New York area. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.

New York PW 55. Splendid table qualities, being crisp and flavorful. Medium size, compact and tight. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$4.75.

New York 12. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.

Great Lakes. Won top honors, All-America Seed Trials, 1944. Crisp cream-white head develops readily. Slow to bolt in summer. Pkt. 25 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Iceberg (California Simpson). Strong center ribs bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.05, lb. \$2.60.

Other Heading Lettuce

Bibb. Medium size; quick. Leaves smooth, dark green; and the small firm head blanches to an appetizing cream. Pkt. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Big Boston. White seed. As an early spring variety it is reliable, and it is suitable for autumn growing also. The heads are large and fine-flavored. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.85.

May King. Good early Lettuce, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.85.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.

Salamander Perfected. (Black-seeded Tennisball.) An excellent large summer variety, with tightly folded leaves covering the light golden center. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$5.50.

Tom Thumb. For indoor culture. Small, firm heads are of excellent quality; leaves are dark green and very crumpled. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.

Unrivalled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

Loose-leaved Lettuce

Bronze Beauty. New, handsome and delicious. Winner Bronze Medal, All-America Seed Selections for 1947. Leaves are indented and jagged and have a brown overtone. Crisp, nutty flavor. Pkt. 25 cts.

Slobolt. Holds in summer nearly three weeks after Grand Rapids or Simpson have shown a seed-stem. Bright green leaves are savoyed and frilled. Pkt. 20 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Early Curled Simpson. Splendid curly-leaved sort. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.85.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

Black-seeded Simpson. Excellent outdoor variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Oakleaf or Summer Triumph. Semi-heading. Small leaves shaped as the name suggests. Stands heat; is never bitter; always buttery and sweet. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$4.

KALE or BORECOLE, Curled Scotch. At its best after frosty weather has set in. Sow in May, June or July; when large enough, transplant into rows, allowing 24 inches between plants. One ounce produces 3000 plants. A 25-foot row will yield 4 bushels of healthful food. Ready in about 12 weeks after setting out. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Siberian Kale or Sprouts. Less densely curled, but hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.



Giant White Cos Lettuce

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

Paris White Cos or Romaine. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.85.

Trianon Self-closing Cos. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

Matchless. Midway between heading and Cos types. The dark green leaves are pointed and do not form a tight head, but they, especially the midribs, are most palatable. Pkt. 25 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out.

Sow during March indoors; plant out $2\frac{1}{2}$ feet apart when fine weather has arrived. Or you can purchase plants in late May.

Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50.

Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. Resists the diseases to which most sorts are liable. Pkt. 15 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.25.

New York Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.10, $\frac{1}{4}$ lb. \$3.

Long Purple. Pkt. 15 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.25.

Black Beauty. Early, large sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.10, $\frac{1}{4}$ lb. \$3.

ENDIVE (*Escarolle*)

One ounce will plant 200 feet of drill and yield 250 heads; more when thinnings are transplanted. Ready 12 weeks after sowing.

Most gardeners sow seed from middle of June till last of August in rows 15 inches apart; thin to 10 inches between plants. When fully grown, tie the outside leaves over the heart to blanch it; this will take a week. Very hardy plant. First autumn frosts improve flavor and texture.

Batavian Cos. A distinct new variety. Of the Escarolle type, but is upright, with longer and wider leaves; these curve over like a Romaine lettuce. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Deep Heart. A fringed or curly type, but with the general broad-leaved habit of Escarolle. It is more upright, however, giving it a well-filled heart. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Full-hearted Batavian (Escarolle). A new variety of fine quality, closely resembling Broad-leaved Escarolle, but the head is more compact and full; it blanches easily. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green Curled. The leaves are bright green, finely cut and crinkled, giving the plant a handsome appearance. Blanching easily a creamy white. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

LEEK

Mild onion-like plants served boiled. Sow in early spring outdoors and thin to 6 inches (or transplant them) in trenches 6 inches deep, in rich soil, 15 inches from trench to trench. Fill the trenches as the plants grow, and later draw soil up to them. You will have fine, large, blanched Leeks a half-foot long, which may be stored all winter in sand.

One ounce will plant about 100 feet of drill or yield over 1000 seedlings for transplanting. About 18 weeks from seeding to edible stage.

Exhibition. Preferred for vegetable competitions. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.25.

Elephant. An extra-long and extra-thick variety of superior quality. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.15, oz. \$2.

Large American Flag. Widely used for both family and market. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Musselburgh. Hardy variety of extra-large size. The leaves are dark green. Edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 20 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

MUSHROOMS. Spores from specimen Mushrooms propagated in sterile bottles, removed, dried, and packed in cartons. Excluded are spores of other fungous growths. One quart for 35 square feet. Bottle Spawn, qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

Valuable for their zestful flavor. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in place. Keep building at 60 degrees, and moisten walls and floors daily. Hence average home cellar is unsuitable. Gathering begins in 6 weeks.



Bender's Surprise Muskmelon

KOHLRABI

Turnip-rooted Cabbage

Sow in early spring in rows 18 inches apart, and thin away the plants to 6 inches. Sow again in summer for an autumn crop. Delicious when gathered about 2 inches in diameter; large roots become woody on unfavorable soil.

One ounce will plant about 200 feet of drill, and yield over 200 pounds. Ready in 8 to 9 weeks.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.40, $\frac{1}{4}$ lb. \$4.25.

Early White Vienna.

Early Purple Vienna.

Above 2, each, pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25



Kohlrabi

Here is the vitamin and mineral rating of these vegetables

ENDIVE is outstanding in vitamin A, good source of vitamin G, and a fair supply of calcium and iron.

KOHLRABI is an excellent source of vitamin C; a fair one of G. Also contains a good amount of phosphorus and copper and a fair amount of calcium.

LEEK. Vitamin F, fair. Copper, outstanding; phosphorus, good.

MELON. Excellent source of vitamin C; good one of A and B₁; fair one of G.

MUSKMELON (*Cantaloupe*)

Not difficult to grow. Sow in April under Hot-kaps and in the open in May in hills or groups the size of a dinner plate and 5 feet apart each way. Use in each group from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to 3 plants per hill.

One ounce will plant about 80 hills. Each hill should produce 6 or more perfect melons. Yield from 12 to 16 weeks.

Golden or Orange-fleshed

Iroquois. A new melon, similar to Bender's Surprise, but it is not quite so early; nor is it as large, and its shape is more oval. But the flesh is thicker, a deeper and richer color and of the best flavor possible, with a delightful aroma. Pkt. 25 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Golden Delicious. Remarkable speed from seeding to yield. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

Green-fleshed

Honey Gold. A new, early, and very handsome commercial sort; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine sweet flavor. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.

Rocky Ford. The fruits weigh from $1\frac{1}{4}$ to $1\frac{1}{2}$ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Cranshaw (Cassaba). Popular variety, often seen on the N. Y. market. Pkt. 25 cts., 5 pkts. \$1.

Honeydew (Cassaba). Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

FORCING MELONS

For raising in a heated greenhouse or hot-bed. Not easy; of interest mostly to the expert. When skillfully grown, they are large; flavor is exquisite. Seed is imported.

Golden Wedding. Orange flesh, very sweet; light greenish yellow, rough outside skin. Pkt. \$1, 3 pkts. \$2.75.

ONION

One ounce will plant 100 feet of drill and yield 100 to 150 pounds of food. 5 to 6 pounds of seed per acre.

Mild White Varieties

Southport White Globe. Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.50.

White Portugal or Silverskin. A mild variety, used for pickles. Tender and altogether fine. Pkt. 15 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.25.

White Bunching. For Scallions and small Onions. Pkt. 15 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.25.

Evergreen Bunching. Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild Scallion. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.50.

White Pickling. When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.50.

Leading Yellow Kinds

Southport Yellow Globe. It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.25.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about 2½ inches in diameter; skin light golden yellow; flesh white, crisp, and mild. Pkt. 15 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.25.

Ebenezer. A dark yellow variety. Bulbs are deep, flat, or medium size, very firm, with a thick skin. Early and keeps well. A popular Onion. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

MUSTARD

Sow in spring, in drills 12 inches apart; thin to 6 inches. The first two varieties are used for healthful boiled "greens," and are, possibly, the quickest garden crop; gather leaves when they are young, and discard the stems. Seedlings of White London are used for sandwich material.

A healthful vegetable. Vitamins B₁, good; C, G and phosphorus, excellent. Calcium and iron, outstanding.

Fordhook Fancy. Crested and cut leaves give it a feathered appearance. The flavor is inviting. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.65.

Giant Southern Curled. The broad, succulent leaves are frilled. 3 ft. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.65.

White London. Often raised indoors; broadcast seed on fine soil and press in lightly—don't cover. May also be grown on cloth kept moist. Ready in about 10 days. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.

Mustard Spinach (Tendergreen). See description on page 22. Pkt. 10 cts., oz. 30 cts., ¼lb. 80 cts., lb. \$1.75.

For large Onions sow ½ inch deep in a hotbed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, river-bottom loam or muck land in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

They take 3 to 4 months to grow to large mature Onions.



S. & W. Co.'s Southport Globe Onions

Long-keeping Red Onions

Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 15 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.25.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened; skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

Onion Sets

One pound plants 100 feet.

Sets are tiny bulblets grown from seed sown thickly last summer. They will produce green, bunch or pulling Onions in four to six weeks, much quicker than will seed. They may be allowed to remain, and develop into full-size Onions sooner than from seed. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring. Garlic divides and increases in the soil.

	Lb.	4 lbs.	8 lbs.
White Onion Sets . . .	\$0 55	\$2 00	\$3 85
Yellow Onion Sets . . .	50	1 85	3 50
Yellow Ebenezer Sets . .	50	1 85	3 50
Red Onion Sets	55	2 00	3 85

Plant the above Sets 2 inches deep and 2 inches apart for pulling Onions and 4 inches apart for large ones.

Egyptian Top Onions. Fall delivery. See Autumn Catalogue for price.

Garlic Sets. Separate the cloves; plant at 6-inch intervals. Lb. 75 cts., 5 lbs. \$3.50.

Extra Large-growing Kinds

Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. A splendid variety. Pkt. 20 cts., ½oz. 65 cts., oz. \$1, ¼lb. \$2.75.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 20 cts., ½oz. 65 cts., oz. \$1, ¼lb. \$2.75.

Riverside Sweet Spanish. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. We recommend it highly. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.50.

ITALIAN TORPEDO ONION. A large long pale-red Onion, the bulb pointed top and bottom. Especially mild, and normally served raw or in salads. Since it is a long-season type, its cultivation should be confined to land that is known to grow Onions well, usually alluvial level well-drained soil with a high organic content. Pkt. 25 cts., ½oz. 85 cts., oz. \$1.50.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Crystal Wax (White Bermuda). Pkt. 20 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.50.

Yellow Bermuda. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.

Red Bermuda. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.35.

OKRA or GUMBO

Adds a mucilaginous quality and a piquancy to soups; may be served alone as a pleasing vegetable. Young pods only are used; when old they have no value. Ready about 9 weeks after sowing.

Sow in late May in drills 1 inch deep and 2½ feet apart; thin to 12 inches.

One ounce will plant about 100 feet of drill.

Clemson Spineless. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

Long Green. Long ribbed pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

PARSLEY

Parsley should be used freely in salads, soups and sauces. An outstanding source of vitamins A and C, and a good source of B₁; it supplies calcium, phosphorus, iron and copper.

Sow early in the spring in drills 1 foot apart and ½ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as Carrot.

One ounce will plant about 150 feet of drill, and yield over 150 good bunches. Ready in about 10 weeks.



Evergreen Parsley

Evergreen. A new rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is more resistant to cold. Larger, denser, more spreading and very dark in color. Tightly curled, but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.50.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 15 cts., oz. 35 cts., ¼lb. 90 cts., lb. \$2.25.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Seed saved from exhibition plants. Pkt. 25 cts., 5 pkts. \$1.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 15 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.



World Beater Pepper

PEANUTS

These require similar soil conditions and temperatures to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills 2½ feet apart and 1½ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 15 cts., lb. \$1.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 15 cts., lb. \$1.

PARSNIP

Good source of vitamin C; fair source of B₁ and G. Supplies phosphorus and copper.

Sow as early in spring as the ground can be worked, ½ inch deep and in drills 15 inches apart. Thin to 4 inches between plants. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

One ounce will plant about 200 feet of drill and yield 300 or more pounds; use 5 to 6 pounds of seed per acre. Takes 15 weeks from seed to maturity.

Improved Hollow-Crown. Fine 12-inch roots, clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$1.75.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.25.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.

Although Parsnips take all season you may practice companion-cropping by sowing Parsnips, Beets and Radishes at the same time. You pull Radishes in four weeks, Beets in ten, Parsnips in fall, from the same row.



Improved Hollow-Crown Parsnips

PEPPER

Outstanding source of vitamin C, and a fair one of A and G.

All varieties may be used either green or red; green Peppers are unripe red Peppers.

They should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant 18 inches apart each way. Protect against cutworm with Cutworm Guards.

One ounce will produce about 1000 plants. From a 25-foot row you should gather 30 pounds or more of good Peppers. Pick 9 to 12 weeks after setting out.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome. The fruits are 3½ inches in diameter by 5 inches long, four-lobed, and the flesh is very thick, mild, fine and sweet. Early. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

Perfection Pimiento. The meat is very thick. The quality is very sweet and delicious, and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.10, ¼lb. \$3.25.

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.50.

California Wonder. An early-yielding variety with the thickest kind of high-quality flesh, and one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 20 cts., ½oz. 70 cts., oz. \$1.15, ¼lb. \$3.35.

Large Bell or Bull Nose. A large, early variety of pleasant mild flavor. Favorite for green stuffed Peppers. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

Neapolitan (Jersey Sweet; White Cap). Early and a heavy yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

Ruby King. Fruits are 4½ to 6 inches long, 3½ inches thick, and bright red. Used both for pickles and slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

Hot Peppers

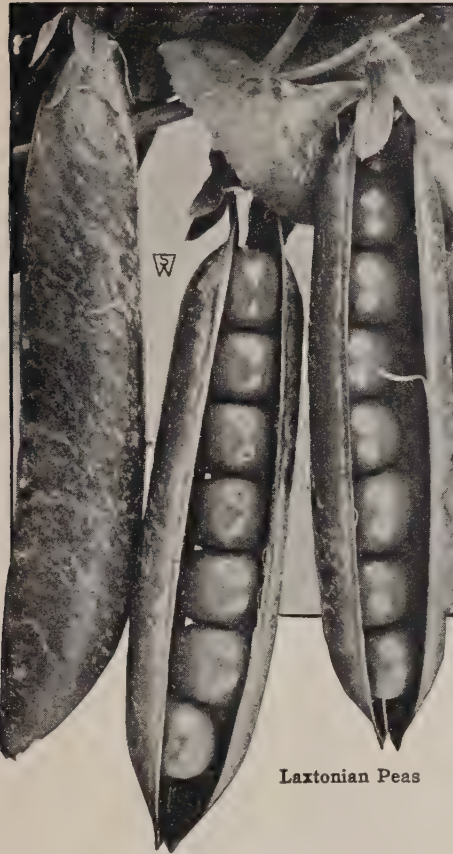
Hungarian Wax. Pungent. Matures early. Fruits 5 to 6 inches long. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.50.

Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

Use **Plant-Foods** generously
for best results in your garden.

Sawco General Garden Fertilizer

will work wonders, use 50 pounds or
more per 1000 square feet. 100 lbs. \$6



Laxtonian Peas



GREEN PEAS

Sow round, smooth-seeded sorts as early in the spring as possible, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure a long productive season. Place the Peas 2 inches deep and about 1 inch apart in single or double rows 2½ feet asunder. Thin to 3 inches. Sorts over 1½ feet need the support of brush or wire.

If you have not grown Peas in your garden before, you should treat the seed with Legume-Aid. One pound (equal to about 1 pint) plants 100 feet.

EARLY WRINKLED SORTS continued

Laxtonian. ★ The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Laxton's Progress. ★ The pods are 4 inches long and are filled with 8 large, melting, sweet Peas. The plant grows 1½ feet high. A variety that is excellent in every way. 60 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Little Marvel. Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3½ inches in length, square, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Market. Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Sutton's Excelsior. Dwarf and very productive. Height 1½ ft. Matures in 63 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Thomas Laxton. ★ The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking in 63 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

World's Record. ★ An improved Gradus, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 35 cts., lb. 55 cts., 5 lbs. \$2.50.

Main-Crop Wrinkled Sorts (Marrowfat)

Alderman. ★ On generous soils it grows to a height of 5 to 6 feet. The pods contain 7 large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Boston Unrivalled or Telephone. ★ A fine tall late variety. The yield of pods is good and they are uniformly well filled. Attains a height of 5 feet. Twelve weeks from seed to harvest. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Potlach. ★ The best dwarf, extremely late Pea. Healthy bluish green vines bearing loads of deep green pods. Height 2 feet. A continuous bearer from July 1 to 15 in most seasons. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Quite Content. One of the largest-podded Peas in existence. This variety is preferred by many growers on account of its size. 5 feet. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Number Forty. ★ A dwarf plant which produces pods 5½ to 6½ inches long. Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Edible-podded Sugar Peas

Used like snap beans

Luscious Melting Sugar. Large, broad pods which are so brittle that they snap with no string. 5 feet. Ten weeks from seed to yield. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Very Dwarf Sugar. Height 25 inches. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

★Kinds so marked suitable for
QUICK FREEZING

Early Smooth-seeded Sorts

Dwarf Early Bird. Hardy; sow it very early, and in 60 days you begin picking the 4-inch-long pods packed with good-quality Peas. Height 16 inches. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

First of All or Pedigree Extra-Early. Peas tender, well flavored, in long, tightly filled pods. 60 days from planting to picking. Height 30 inches. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Early Wrinkled Sorts (Marrowfat)

Freezonian. ★ All-America Bronze Medal Winner for 1948. A deep-freezing sort, and an excellent all-purpose variety, because it bears for a longer time and resists hot weather; resists wilt also. Thirty inches tall; the 3½-inch pods are crammed with large, wrinkled, very sweet Peas. 63 days. Pkt. 25 cts., ½lb. 50 cts., lb. 90 cts.

Gradus or Prosperity. ★ Vines have light green leaves and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. 65 days from seed to picking. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Peas are a valuable protein food, an excellent source of vitamin B₁, a good one of vitamin G and a fair one of A. Outstanding in their phosphorus content, they also furnish iron and copper.

The average yield from a 25-foot row of dwarf Peas is 25 to 30 pounds of pods; about 25 per cent more for tall sorts.

SPRAYING or DUSTING is ESSENTIAL

to produce a good crop. Rotene Insect Spray, 4 ozs. \$1.
Hortex Dust, lb. 50 cts. Both Non-Poisonous.



Sweet or Sugar Pumpkin

PUMPKINS

Good source of
vitamin A

Plant May 15 in "hills" or groups 8 to 10 feet apart, and otherwise treat in the same manner as melons.

One ounce will plant 50 hills.
Fruits are ripe 15 to 18 weeks after sowing seed and 4 to 5 per hill may be expected.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality very thick, and deep yellow. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.15, lb. \$2.25.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.15, lb. \$2.25.

SQUASH

It is not advisable to plant before May 15. Sow bush varieties in "hills" or groups 4 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 or more seeds, thin later to 3 plants in a hill.

One ounce plants about 25 hills, and each hill should yield 6 to 8 good Squashes.

Winter Squash furnishes some vitamin G, and is an excellent source of vitamin A; Summer Squash is almost as good.

Summer Squash matures in 7 to 10 weeks from sowing, Winter Squash in 13 to 15 weeks.

Summer Varieties

Giant Bush Summer Crookneck. Popular because of its refined, fresh, delicious flavor. In this new type these are retained, but the fruits are double the size. Pkt. 10 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$2.

Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 15 cts., oz. 40 cts., ¼lb. 90 cts., lb. \$2.25.

Straightneck. Similar to Summer Crookneck, but straight. Fruits warted, 20 inches long. Delicious flavor. Pkt. 15 cts., oz. 40 cts., ¼lb. 90 cts., lb. \$2.25.

Zucchini. ★ Prolific, tender; mild flavor. Gather when 6 inches, and prepare like other Squash, or fry like eggplant. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$3.

Noodle Squash. Puncture one end and cook it for 35 minutes. Cut in half, the flesh falls out in shreds, suggestive of spaghetti. Served hot with sauce, salt, and butter, or as a cold dish with vinegar. Mottled green fruits, 10 inches long, turn yellowish white. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

For Cocozelle, see Vegetable Marrow

TOBACCO

Treat seeds with Semesan and sow thinly under glass in March or April. Press in gently; do not cover with soil as seeds are tiny. Transplant at 30-inch intervals after May 15. Needs rich, but porous and well-drained soil; its suitability influences smoking quality. Curing does also—obtain bulletins from your state college or department of agriculture.

Connecticut Seed Leaf. Large leaf for cigar wrappers, fillers also.

Kentucky Burley. For pipes and chewing.

Virginia Bright-Leaf. Light-colored leaf, for cigarettes.

Above, each, pkt. 20 cts., ¼oz. \$1

With care, ¼ ounce will provide enough plants for one acre.

Fall or Winter Squashes

Butternut. Large, smooth, tan-colored fruits of decanter shape. Twelve to 15 inches long, the neck section is narrow but the blossom end is large and swollen, enclosing the seeds, which are few. Thick golden flesh, fine textured, sweet and of excellent flavor. Keeps well. Pkt. 15 cts., oz. 70 cts., ¼lb. \$2, lb. \$6.

Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by 4½ inches in diameter; dark green shell, but the flesh is light yellow and thick. Trailing. Keeps well. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1, lb. \$2.75.

Golden Table Queen. Slightly smaller; flesh exceptionally sweet and rich. Skin ripens to golden yellow. Prolific. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$3.

Chicago or Warted Hubbard. Robust; fruits large, heavily warted, and dark green; flesh rich and dry. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1, lb. \$2.75.

Golden Hubbard. Similar to the Green Hubbard, but somewhat smaller. Orange skin; flesh deep gold. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1, lb. \$2.75.

Hubbard. Bluish green, occasionally marked brown. Will keep to May. Pkt. 10 cts., oz. 40 cts., ¼lb. 90 cts., lb. \$2.25.

Boston Marrow. Oval; bright orange color; flesh yellow. Excellent for pies. Pkt. 10 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$2.

Delicious. Fine compact grain, dry and sweet, rich flavor. Top-shaped fruits weigh up to 10 pounds. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1, lb. \$2.75.

Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1, lb. \$2.75.

RHUBARB

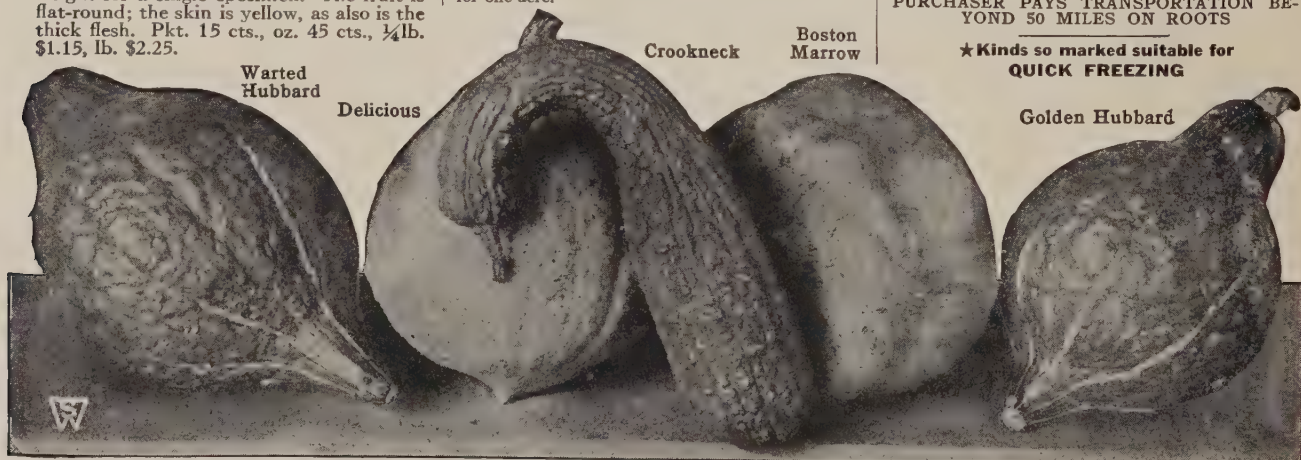
Plant the roots in well-manured land, 3 feet apart and 3 inches deep. Sow seed in spring in drills a foot apart; transplant the following season. One ounce of seed should produce about 1000 roots.

Victoria. Reliable, and has given good results for years. Strong clumps 50 cts. each, \$5.50 per doz., \$42.50 per 100. Extra-large clumps for forcing in the greenhouse or cellar, 90 cts. each, \$9.90 per doz.

Seed, pkt. 15 cts. oz. 50 cts., ¼lb. \$1.50.
McDonald. Developed in Canada, and very hardy. Tender and delicious. Roots only (divisions), 60 cts. each, \$6.50 per doz., \$50 per 100.

PURCHASER PAYS TRANSPORTATION BEYOND 50 MILES ON ROOTS

★ Kinds so marked suitable for
QUICK FREEZING



Warted
Hubbard

Delicious

Crookneck

Boston
Marrow

Golden Hubbard

TEST YOUR SOIL and find out exactly what plant-foods it needs.

With the **HORTICULTURAL KIT**

you can examine sixty soil samples. The cost? Only \$12.50

POTATOES

Potatoes contribute important quantities of iron, vitamins B₁ and C. The best soil for them is a well-drained fibrous loam. On clay soils, particularly in certain districts of northern New Jersey, the culture of Potatoes is not recommended. Before planting, work in Sawco General Garden Fertilizer at the rate of 1500 pounds to the acre if applied broadcast, or 750 pounds if applied under the row. Cut into pieces, each containing at least one good eye; plant 10 inches apart and 3 inches deep in 2½-foot rows from April 10 to May 31.

Allow 7 to 10 pounds for each 100 feet of row; 600 pounds will plant an acre. Potatoes are often discussed in terms of pecks and bushels; one peck weighs 15 pounds, one bushel 60 pounds. Growing period around 125 days. Potatoes are ready to dig after tops have died down completely.

Use Semesan Bel on your seed Potatoes at planting-time. It controls disease and produces increased yields of healthy plants and tubers. 1 tablespoonful will treat 100 pounds. Spraying with Bordeaux Mixture for blights and scab, and with Lead Arsenate for the potato beetle (½ inch long, yellow with black stripes) are a necessary process with the growing crop. See Insecticide and Fungicide Section at end of this Catalogue.

Standard Early Potatoes

Mature in 9 to 11 weeks

Chippewa. Husky variety that resists disease and crops heavily. Tubers are of medium size, pure white and smooth, longish-round in shape, with shallow eyes and excellent cooking quality. Popular with Long Island growers.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality.

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. White skin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips.

Best Main-Crop Potato

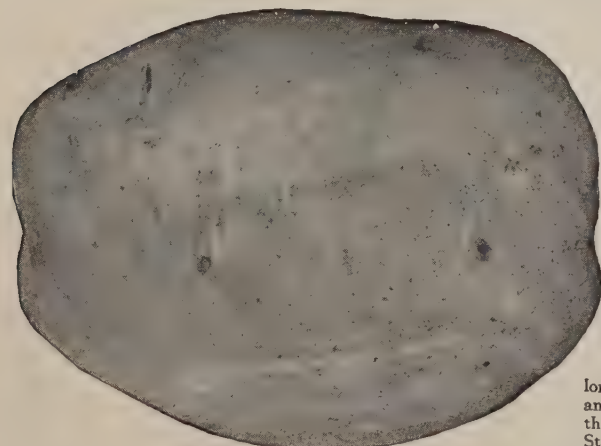
Mature in 12 to 14 weeks

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper.

PRICES OF ABOVE FOUR:

25 lbs. \$3, 50 lbs. \$5,
100 lbs. \$8.50

Purchaser pays transportation
on Seed Potatoes



Katahdin Potato

Sweet Potato

One of the most important American food crops, so highly nutritious that in the New York area everyone should grow it in localities where Potatoes of the ordinary type are often unprofitable. It may well be given consideration in northern New Jersey, for example, as an ideal home-garden food crop.

Set out about 2 feet apart each way in sandy soil; dig after first frost. Cultivate often, and prevent stemstaking root by lifting the tops from time to time.

Yellow Jersey.

Big Stem. Yellow.

Each variety, \$2 per 100, \$15 per 1000

Ready in June, these are rooted cuttings which, in a few hours after separating them from the parent tuber, take on a wilted appearance. Despite this, however, they grow well and may be planted with every confidence. But we do not ship Sweet Potatoes beyond 50 miles.

Sweet Potato tubers keep well if they are thoroughly cured, and handled with great care to avoid bruising.

RADISHES

Fresh-pulled Radishes are refreshing. They are an excellent source of vitamin B₁ and a fair source of vitamin G. They furnish a good amount of copper.

As early in the spring as the ground can be worked, sow sparingly, ½ inch deep, any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown from July 15 to August 15, and may be pulled after light frosts and stored through winter.

One ounce will plant about 100 feet of drill. One generous bunch per foot of row is an average yield.

Round and Olive-shaped

Ready in about 25 to 30 days

Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Excellent mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Crimson Crisp. White flesh of high quality, brittle and mild in flavor. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Early round, olive-shape and long Radishes are essentially spring and autumn crops. They do not thrive in warm weather. Sow Strasburg Radish in June and July; winter sorts from mid-July to mid-August.



Early Scarlet Globe Radishes

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 35 cts., ¼ lb. 75 cts., lb. \$1.50.

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 35 cts., ¼ lb. 75 cts., lb. \$1.50.

Early Scarlet Turnip. Handsome, flat-round roots, ¾ inch in diameter by ½ inch deep through. Pkt. 10 cts., oz. 35 cts., ¼ lb. 75 cts., lb. \$1.50.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 35 cts., ¼ lb. 85 cts., lb. \$1.75.

Early Long Radishes

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 35 cts., ¼ lb. 85 cts., lb. \$1.75.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick, are produced 35 days after sowing. Skin rosy scarlet blending into a white tip. Pkt. 10 cts., oz. 35 cts., ¼ lb. 75 cts., lb. \$1.50.

Summer Variety

Ready in about 40 days

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Long-keeping Winter Varieties

Ready in about 8 weeks

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Long Black Spanish. The popular winter sort. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

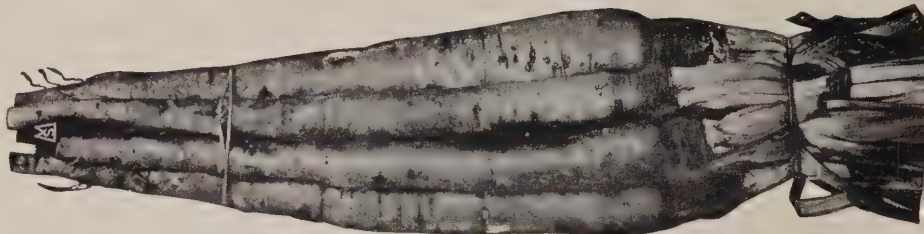
Round Black Spanish. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill. Delicious vegetable, grown and served like parsnip; autumn frosts improve its flavor. Sow early in spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 4 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots; remainder may be left in the ground and dug in spring.

Mammoth Sandwich Island. Pkt. 15 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.



Mammoth Sandwich Island Salsify

SPINACH

Sow in April in drills $\frac{1}{2}$ inch deep and 15 inches apart; again in August or September. Thin to 3 inches between plants. Spinach requires rich soil.

One ounce will plant about 100 feet of drill, and produce over 6 bushels of Spinach. Gather about 7 weeks after seeding.

Spinach is essentially a cool-weather crop, and should be sown early; plants from late spring seedings frequently "bolt" to flowers, unless you choose carefully from the following a sort less prone to do so.

Emerald Standing. ★ Large and vigorous type, of compact, spreading growth. Leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. Dark green. The most important point, however, is that it *stands fully one month longer than any other variety* before bolting to seed. Yet it is quick-growing. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

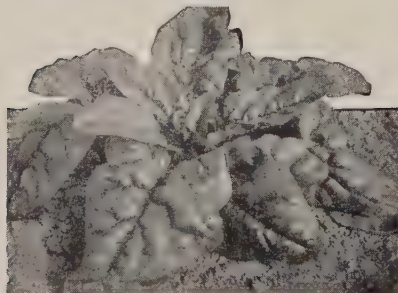
Blight-Resistant. ★ A Savoy-leaved Spinach which may be grown on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.65.

Old Dominion. ★ A hybrid into which resistance to mosaic disease has been bred. Very hardy, and much used in late autumn, when seed remains dormant over winter and germinates first thing in spring. Good for early spring sowing also. Wrinkled leaves. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

Princess Juliana. ★ A splendid all-purpose variety; good for the home gardener and commercial grower alike. Large, wrinkled and blistered dark green leaves. Slow to bolt in hot weather. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Bloomsdale Savoy. ★ Dark green type. Valued both by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. The standard sort for early spring. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.65.

Viking. ★ A new quick-growing sort, but one that is slow to run to seed. Large medium-blistered leaves; dark green. Excellent home-garden variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.



Bloomsdale Savoy Spinach

For Late Spring Seeding

Long Standing Savoy Spinach. ★ A medium-dark green type of the Bloomsdale Savoy that is resistant to heat. Use it for your second sowings, for it is slow to bolt. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.



New Zealand Spinach

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Illustrated above.

Sow during May, in drills 2 feet apart. Thin to 9 inches between plants. Ready in about 10 weeks from sowing. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$2.50.

Perpetual Spinach

This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$2.50.

Mustard Spinach (Tendergreen)

Good boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

Swiss Chard and Spinach are among the most healthful of foods. Both are high in vitamins A and G, and in all minerals, especially iron. Swiss Chard is also an outstanding source of vitamin B₁ and Spinach an excellent source of vitamin C.

★ **Kinds so marked suitable for QUICK FREEZING**

SWISS CHARD

Spinach Beet

This delectable vegetable is one you must grow yourself, for it is not often offered for sale.

Leaves may be boiled, adding fried chopped bacon if you so desire. The stalks may be served as a distinct dish cooked like asparagus. Sow early in spring in rows and thin to 9 inches.

One ounce will plant about 100 feet of drill, and yield more than 10 bushels of produce. Cutting commences in about 7 weeks.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. No earthy flavor. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Giant Lucullus. Plants grow to a height of 2 to 2 $\frac{1}{2}$ feet and the stalks are 1 $\frac{1}{4}$ inches broad, heavily ribbed, and from 10 to 12 inches long. Leaves are much crumpled. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

Rhubarb Chard. Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Giant Lucullus Swiss Chard

TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.
Abundant source of vitamin C.

Although the purchase of plants is established practice with most home gardeners, growing Tomatoes from seed is economical and entirely practical. It should be sown sparingly in a hotbed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. Protect each plant with a Cutworm Guard, otherwise cutworms may destroy it. For an autumn crop, sow seed in May in the open.

To have clean, disease-free Tomatoes provide each plant with a strong stake or other support to



Ponderosa Tomato (Purple-red)

keep the fruit off the ground. If leaves are being eaten, search for and destroy the large green Tomato horn worm (rarely more than one on a plant).

Beefsteak or Crimson Cushion. Largest of the bright red Tomatoes. Flattish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson, the flesh is firm and of superb quality. Pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

Bonny Best. A leader among the early sorts. Bright red, medium size. Heavy producer. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears all season, and for quantity and quality is without a rival among the extra-earlies. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

Climbing. Runs 15 feet or more, and should be tied to tall stakes or trellis; though even without support it gives a high yield. The most productive Tomato yet tested by us. Large crimson fruits of high quality average $3\frac{1}{2}$ inches across and $2\frac{3}{4}$ inches deep; ideal for slicing or canning. Disease-resistant. Pkt. 20 cts., 5 pkts. 85 cts.

Earliana. Earliest red Tomato. Plants set freely. The fruits average 3 inches across and $2\frac{1}{4}$ inches deep; solid; few seeds. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$3.50.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

John Baer. Early, bright red Tomato. The flesh is solid, possessing a fine flavor, free from acid. Heavy yielder. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

Jubilee. Fine new orange-yellow variety of high quality. Fruits are large, meaty, with few seeds; pleasant non-acid flavors; high in vitamins A and C. Splendid for yellow tomato juice and salads. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.

Marglobe. Large Tomato of the globe type. Fine red color and of delicious table quality. Sets fruits medium early and continuously. It resists wilt and rust. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

Oxheart. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75, $\frac{1}{4}$ lb. \$5.25.

Ponderosa. Size is its chief characteristic. Solid and luscious, deep purple, oblong and with small seed-cells. Frequently weigh one pound. Pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Early and continuous bearer. A large scarlet fruit, deeply globular in shape, it slices economically. Resists wilt and rust. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.

Rutgers. Vigorous plant bearing large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.

Stokesdale. An early-maturing variety, often in 115 days from seed. Heavy producer of fine-quality, half-pound, flattish-globe, scarlet fruits; they have the smallest seed-cavity, and are extra meaty. Pkt. 15 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

Stone. Main-crop favorite with truckers and canners. Vigorous, and the deep red fruits are produced freely; uniform, large, round, smooth, meaty, with little core. Non-acid. Notable for yield and quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

Victor. A new early variety of high quality. The vines are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly. Pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

A Dwarf Tomato

Champion. Potato-like foliage and a sturdy stocky plant. Fruits medium size and purple-pink. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

Strawberry or Husk Tomato

Dwarf, spready plants produce sweet-flavored, yellow fruits about the size of a cherry and enclosed in a husk. Pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

San Marzano. Italian scarlet variety, with thick, somewhat dry flesh, for preserves, pastes and sauces. Plants are covered with cylinder-shaped fruits $2\frac{1}{2}$ inches long and $1\frac{1}{4}$ inches thick. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.45, oz. \$2.75, $\frac{1}{4}$ lb. \$7.50.

King Humbert. Bright scarlet fruits suggest a hen's egg in shape and size.

Red Cherry	Red Pear	Yellow Cherry
Red Currant	Peach	Yellow Pear
Red Plum		Yellow Plum

Above nine varieties, each, pkt. 20 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$3.75.

Forcing Tomatoes

For cultivation under glass

Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Good for outdoors also. Pkt. 20 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.35.

Michigan State Forcing. A good greenhouse variety. Wilt resistant and highly productive, with five to eleven fruits to a cluster. Medium size fruit, rich, deep scarlet. Flesh firm, thick and of high quality. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.

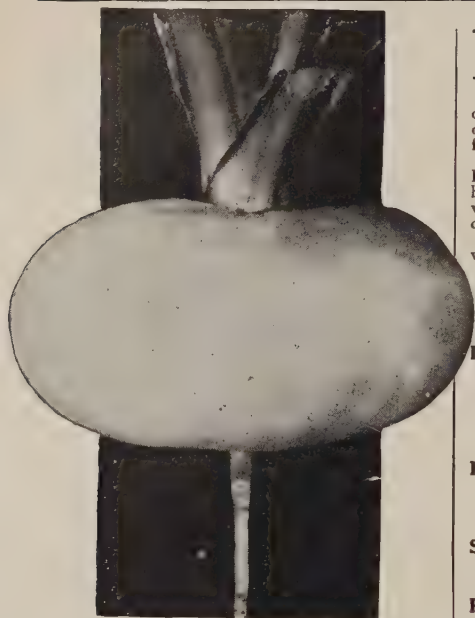
Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Splendid whole-salad variety. Does very well outdoors also. Pkt. 20 cts., $\frac{1}{4}$ oz. 45 cts., oz. \$1.50.

SPERGON • Non-Poisonous

For treating all seeds before sowing; protects against fungi which cause decay and damping-off. Assures better germination, healthier plants and better yield. Oz. 25 cts., 5 ozs. \$1, lb. \$2.10.



Rutgers Tomato (Deep red)



Early White Milan Turnip

VEGETABLE MARROW

Occupies an important place in European gardens, and is considered superior by some to squash. Cultivation is similar to that of squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

One ounce plants 50 "hills," and each "hill" should produce 4 to 6 Marrows. Ready in 8 weeks. Good source of vitamin A.

Long Green Trailing. Fruits about 20 inches long and 3 to 4 inches in diameter, with dark green skin, with lighter markings. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

Long White Trailing. The white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

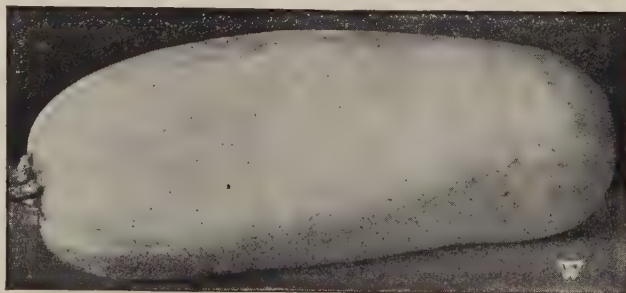
Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Usually gathered when small. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25.

SORREL

Sow in spring in drills 6 to 8 inches apart.

One ounce will sow about 100 feet of drill.

Garden (Sour-grass). Pleasant acid flavor. For salads; served boiled like spinach, or in soups. Yields for several years; hardy. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$6.



Long White Trailing Marrow

TURNIP

For early Turnips, sow as soon as the ground opens in spring in rows 15 inches apart and $\frac{1}{2}$ inch deep. Thin 3 inches from plant to plant. Sow again for winter use from June 15 to the middle of July.

Turnips are an outstanding source of vitamins B₁ and C. But serve turnip-tops (leaves) as spinach, boiled lightly, and you have a food of exceptional value: outstanding in vitamins A, C and G, also calcium; a good source of B₁, phosphorus and iron. One ounce will plant about 150 feet of drill from which 150 pounds or more of Turnips will be dug.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender and of the most delicate flavor. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Purple-Top White Globe. Spherical, skin white with upper one-third purple. Superior flavor. Will store over winter. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.85.

Long White or Cow-Horn. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are numerous and large, and are recommended to those who esteem flavorful, vitamin-packed Turnip-tops. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.25.

RUTABAGA (Swede)

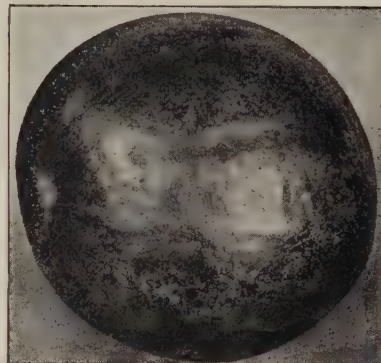
These keep well through winter when stored in a cool frost-free cellar or in a pit in the garden.

Sow early in rows 18 inches apart. Thin to 6 inches between plants. Sow again from June 15 to July 15 for larger roots and for winter keeping.

Long Island Improved. Fine quality and a splendid keeper. Large; skin smooth, flesh yellow and fine-grained. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Rutabagas are valuable foods for human consumption. American Purple-Top is also grown largely by the farmer for winter feeding of animals. He sows 4 pounds per acre in June in drills 30 inches apart.



Cole's Early Watermelon

WATERMELONS

These are as easily grown as pumpkins or squash, and are recommended for the home-garden if you have the room. After mid-May sow about 8 seeds to a "hill" or group, and have the "hills" 8 feet apart. Thin to 3 plants to a "hill."

One ounce will plant about 35 "hills," and each "hill" should yield 3 to 5 Watermelons. Ready in from 12 to 13 weeks after sowing.

Honey Cream. The flesh is creamy yellow, sweet and good. It is quick (maturing in about 12 weeks) and is therefore recommended for northern gardens. Fruits are large, nearly round and green, striped darker. Pkt. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Cole's Early. A very early home-garden variety succeeding in northern states. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Dixie Queen. High-quality, bright red flesh of fine texture. Oval fruits, striped dark green on light green; thin but tough skin. Small white seeds. Ships well; good both north and south. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Kleckley Sweets. The sweetest of all the Watermelons. Long melons with very brittle, unusually thin, glossy dark green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Profitable. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Citron. Used for preserves. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.



This Year Plant A FREEDOM GARDEN of Vegetables

**Freedom
Garden
Collection A** **\$1.75**
Value \$2.30

For 500 to 1000 sq. ft.
Fifteen packets, most
popular vegetables for
sowing outdoors. Eleven shown here, four not illus-
trated. Tomato omitted, but offered in Collection D.

**Order These High-Quality Seeds Separately
or in a Collection**

**Freedom
Garden
Collection B**

\$4.50
Value \$5.80

For from 1000 to 2500 square feet. High-quality vegetable seeds for outdoor sowing:
seven separate ounces, one half-pound, three separate pounds and four packets, fifteen
varieties in all. Four not illustrated; Tomato omitted, but offered in Collection D.



EVERGREEN PARSLEY
Pkt. 15 cts., oz. 40 cts.,
1/4lb. \$1.



**FORDHOOK 242 BUSH
LIMA.** Pkt. 20 cts.,
1/2lb. 40 cts., lb. 75 cts.



IMPROVED WONDER BEET
Pkt. 20 cts., oz. 45 cts.,
1/4lb. \$1.25



GREEN LYON SWISS CHARD
Pkt. 15 cts., oz. 40 cts.,
1/4lb. \$1.



SCARLET GLOBE RADISH
Pkt. 10 cts., oz. 35 cts.,
1/4lb. 75 cts.

**Early Seeding
Collection D** **65 cts.**
Value 85 cts.

For sowing indoors in late winter. Five generous packets, one each of early
Cabbage, Celery, Eggplant, Pepper and Tomato (four not illustrated).



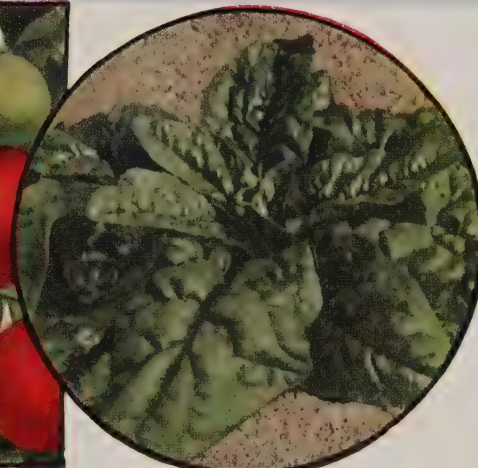
**NEW YORK or WONDERFUL
LETTUCE NO. 12**
Pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.65



LITTLE MARVEL PEA
Pkt. 10 cts., 1/2lb.
30 cts., lb. 50 cts.



MARGLOBE TOMATO
Pkt. 15 cts., 1/2oz. 60 cts.,
oz. \$1.



BLOOMSDALE SAVOY SPINACH
Pkt. 10 cts., oz. 30 cts.,
1/4lb. 75 cts.

CULTURAL DIRECTIONS ON EACH PACKET



DUCHESS OF ALBANY. Large flowers.
\$2 each, \$22 per doz.



DUCHESS OF EDINBURGH
Large double flowers.
\$1.50 each, \$16.50 per doz.



CRIMSON KING. Large flowers.
\$1.75 each, \$19.25 per doz.



NEW GIANT BLUEBERRY, BURLINGTON.
Enormous juicy berries look like grapes, and have few seeds. Flavor is wonderful. 1 to 1½ ft., \$2.50 each, \$27.50 per doz. 1½ to 2 ft., \$3 each, \$33 per doz.

Clematis

These charming climbers will work their way up a trellis or fence, over a stone wall or tree stump. They are very striking when trained around entrance pillars, light standards or arches.

COLLECTION: NINE PLANTS, one each of nine different varieties, 3 of which are shown here. All are described on page 79. **\$11.50**



BEAUTY BUSH (Kolkwitzia amabilis)
Clouds of beautiful pink when in flower. Matures at 4 to 6 ft. 3 to 4-ft. plants, \$1.75 each, \$5 for 3, \$19.25 per doz.



CHASTE TREE (Vitex macrophylla)
5 to 6 ft. high when full grown, with lavender-blue flowers. 2 to 3-ft. plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz.



STRAWBERRIES See page 81.

Spring-bearing sorts, potted plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100.

Everbearing sorts, potted plants, \$2.75 per doz., \$4.75 for 25, \$17.50 per 100.

Strawberries shipped only within Japanese Beetle area.

FLOWERING SHRUBS

Above brilliant bushes should be in every garden; other splendid sorts on pages 80 and 81.

FRUIT for Your Garden

Every Freedom Garden should contribute its quota of delicious fruit. Select varieties on page 82.

An Excellent Book is GARDENING WITH HERBS FOR FLAVOR AND FRAGRANCE, by Helen M. Fox, 334 pages - - \$3.50

HERBS Aromatic Culinary Medicinal

For the Kitchen Garden and for the formal, fragrant, old-time Herb Garden

A, Annual, or treat as an Annual. P, Perennial.

LAVENDER. *Lavandula vera.* (P). Dried flowers impart a fragrance to linen; from them lavender-water is distilled. **Seed**, pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25. **Plants**, \$1.30 for 3.

LAVENDER-COTTON. *Santolina incana.* (P). Aromatic; decorative. Green foliage or gray (state preference). 18 in. **Plants only**, \$1.30 for 3.

LEMON VERBENA. *Aloysia citrodora.* (P). Fragrant. Protect over winter. 4 ft. **Plants only**, \$1.30 for 3.

MARJORAM, POT. *Origanum vulgare.* (P). Culinary; decorative. 20 in. **Plants only**, \$1.30 for 3.

MARJORAM, SWEET or KNOTTED. *O. Majorana.* (P). Culinary; aromatic. 2 ft. **Seed**, pkt. 25 cts., oz. \$1.25. **Plants**, \$1.30 for 3.

MINT, ANISE. *Mentha viridis anisata.* (P). Flavoring. 2 ft. **Plants only**, \$1.30 for 3.

MINT, APPLE. *M. rotundifolia.* (P). Flavoring. 2 1/2 ft. **Plants only**, \$1.30 for 3.

MINT, CREEPING. *M. Requienii.* (P). Plant in "crazy pavements." 8 in. **Plants only**, \$1.30 for 3.

MINT, CURLY. *M. crispa.* (P). Aromatic. 2 1/2 ft. **Plants only**, \$1.30 for 3.

MINT, LEMON or BERGAMOT. *M. citrata.* (P). Flavoring; aromatic. 8 in. **Plants only**, \$1.30 for 3.

PEPPERMINT. *M. piperita.* (P). English. Flavoring. 3 ft. **Plants only**, \$1.30 for 3.

MINT, WOOLLY. *M. tomentosa.* (P). Aromatic. 1 ft. **Plants only**, \$1.30 for 3.

SPEARMINT. *M. viridis.* (P). The common garden Mint. For Mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. 2 ft. **Plants only**, \$1.30 for 3.

PENNYROYAL, ENGLISH. *M. Pulegium.* (P). Aromatic; medicinal; culinary. 1 ft. **Plants only**, \$1.30 for 3.

ROSEMARY. *Rosmarinus officinalis.* (P). Seasoning; aromatic. 4 ft. **Seed**, pkt. 25 cts., oz. \$1.25. **Plants**, \$1.30 for 3.

RUE. *Ruta graveolens.* (P). Bitter medicinal plant. 2 1/2 ft. **Plants only**, \$1.30 for 3.

SAGE, Common. *Salvia officinalis.* (P). Dried leaves are employed for stuffings and sauces. 15 in. **Seed**, pkt. 25 cts., oz. \$1.75. **Plants**, \$1.30 for 3.

ST. GEORGE'S HERB (Valerian; Heal-All). *Valeriana officinalis.* (P). Medicinal. 3 1/2 ft. **Plants only**, \$1.30 for 3.

SAVORY, SUMMER (Bohnenkraut). *Satureja hortensis.* (A). Culinary. 18 in. **Seed only**, pkt. 20 cts., oz. \$1.

SAVORY, WINTER. *S. montana.* (P). Culinary; medicinal; decorative. Mulch over winter. 1 ft. **Plants only**, \$1.30 for 3.

TANSY. *Tenacetum vulgare.* (P). Culinary. 1 ft. **Plants only**, \$1.30 for 3.

THYME, CITRON or LEMON. *Thymus citriodorus.* (P). Aromatic; decorative. 10 in. **Plants only**, \$1.30 for 3.

THYME, COMMON (English Thyme). *T. vulgaris.* (P). Broad leaves. For seasoning foods. Excellent edging plant. 8 in. **Seed**, pkt. 25 cts. **Plants**, \$1.30 for 3.

THYME, FRENCH. *T. vulgaris.* (P). Smaller plant. 8 in. **Plants only**, \$1.30 for 3.

THYME, CRIMSON. *T. serpyllum coccineus.* (P). Decorative; aromatic. 1 ft. **Plants only**, \$1.30 for 3.

MOTHER OF THYME (Creeping Thyme). *T. serpyllum.* (P). Decorative evergreen; culinary. 10 in. **Seed**, pkt. 50 cts., 3 pkts. \$1.25, 1/2oz. \$2. **Plants only**, \$1.30 for 3.

WOODRUFF (Waldmeister). *Asperula odorata.* (P). Aromatic; flavoring; decorative. 8 in. **Plants only**, \$1.30 for 3.

WORMWOOD, COMMON (Wermuth). *Artemisia Absinthium.* (P). Medicinal; flavoring. 18 in. **Seed**, pkt. 25 cts. **Plants**, \$1.30 for 3.

WORMWOOD, FRINGED. *A. frigida.* (P). Aromatic. 1 1/2 ft. **Plants only**, \$1.30 for 3.

MUGWORT. *A. lactiflora.* (P). Fragrant; culinary. 4 ft. **Plants only**, \$1.30 for 3.

OLD MAN (Southernwood; Lad's Love). *A. Abrotanum.* (P). Aromatic. 3 1/2 ft. **Plants only**, \$1.30 for 3.

OLD WOMAN (Beach Wormwood; Dusty Miller). *A. Stelleriana.* (P). Decorative. 2 ft. **Plants only**, \$1.30 for 3.

TARRAGON (Estragon). *A. Dracunculus.* (P). For salads and flavoring vinegar. **Plants only**, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

YARROW, COMMON. *Achillea Millefolium.* (P). Fragrant. 2 1/2 ft. **Seed**, pkt. 15 cts., oz. 50 cts. **Plants**, \$1.30 for 3.

YARROW, WOOLLY. *A. tomentosa.* (P). Decorative. 1 ft. **Plants only**, \$1.30 for 3.

COLLECTIONS OF HERBS

Fragrant Herbs

COLLECTION BH: 12 plants, one each of 12 varieties \$5.00
COLLECTION BH3: 36 plants, three each of 12 varieties \$14.25

Ornamental Herbs, for the Formal Garden

COLLECTION CH: 12 plants, one each of 12 varieties \$5.00
COLLECTION CH3: 36 plants, three each of 12 varieties \$14.25

For the Kitchen, Culinary Herbs

COLLECTION AH: 12 plants, one each of 12 varieties \$5.00
COLLECTION AH3: 36 plants, three each of 12 varieties \$14.25

Culinary Herbs from Seeds

COLLECTION DH: 5 packets, one each of Basil, Caraway, Coriander, Dill, Summer Savory \$0.75
 These annuals are desirable to round off Collection AH or AH3, giving you 17 different Culinary Herbs in all.

Scented Geraniums

Charming plants for a sunny situation. In fall they may be cut back hard, potted, and brought indoors for ideal house plants.

We offer nine distinct perfumes:

Balm	Lemon	Peppermint
Balsam	Nutmeg	Rose (Green Leaf)
Filbert	Orange	Rose (Variegated Leaf)

Above 9, out of pots, for planting in your garden, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Our Nursery Department also offers . . .

PARSLEY PLANTS. Pot-grown, 20 cts. each, \$2.25 per doz. Parsley furnishes more iron than spinach. Excellent source of vitamins A and C and a good source of vitamin B.

Corn and Cereal Grains of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID VARIETIES

Hybrid Corn versus Open-pollinated Corn

In a field of Corn, pollen grains are carried by the wind from the upper or male flowers onto the "silk" of a neighboring Corn plant, resulting in a normal ear, consisting of kernels which are fertile, and which are able to grow. Seed Corn, as grown by first-line producers, is planted sufficiently far from other varieties that the pollination is confined to the one sort, which is therefore unmixed.

If two kinds, however, are grown together so that an *intentional* impurity is obtained, we produce a *Hybrid Corn*, and when scientific care is taken in selecting parents, in removing male flowers from the female parents, and discarding the ears from the male parents, we have high-quality hybrids such as are listed below. They are *more thrifty plants, more disease-resistant, and far heavier producers of grain or ensilage, or both.*

Cornell 34-53. (100 days.) The characteristic of this new variety is its earliness, and the certainty with which it will mature its ears; recommended for this purpose almost anywhere in New York State and southern New England. A fine yellow Dent sort with 7 to 9-inch long heavy ears with 14 to 18 rows. Essentially a grain Corn, it makes excellent ensilage also. Height 8 ft. Qt. 70 cts., postpaid 85 cts.; pk. \$4.25, bus. (56 lbs.) \$14, 10 bus. \$130.

Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Qt. 70 cts., postpaid 85 cts.; pk. \$4.25, bus. (56 lbs.) \$14, 10 bus. \$130.

Cornell No. 29-3 Hybrid Dent. (110 days.) Adapted to our eastern conditions. Yellow kernels with a slight red tinge. It is a double-crossed hybrid which may be used for a double purpose. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 75 cts., postpaid 90 cts.; pk. \$4.50, bus. (56 lbs.) \$14.50, 10 bus. \$135.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. This will prove a profitable sort. Qt. 75 cts., postpaid 90 cts.; pk. \$4, bus. (56 lbs.) \$13, 10 bus. \$120.

Open-pollinated Corn

Golden Eureka (Dent). Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 or 20 rows, yellow grains, and small cob. 100 days. Qt. 55 cts., postpaid 70 cts.; pk. \$2, bus. (56 lbs.) \$7, 10 bus. \$65.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Qt. 60 cts., postpaid 75 cts.; pk. \$2.50, bus. (56 lbs.) \$8.50, 10 bus. \$80.

Longfellow (Flint). (90 days.) Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 60 cts., postpaid 75 cts.; pk. \$2.35, bus. (56 lbs.) \$8, 10 bus. \$75.

Jumbo Silage. (Fodder.) An improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 60 cts., postpaid 75 cts.; pk. \$2.35, bus. (56 lbs.) \$8, 10 bus. \$75.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 65 cts., postpaid 80 cts.; pk. \$2.50, bus. (45 lbs.) \$8, 10 bus. \$75.

AT SEEDING TIME USE AN AMERICAN CORN PLANTER

Strongly made; highly practical. One-hand model. Plant your hills as quickly as you walk your fields. Adjustable as to number of grains in a hill; puts them at the correct depth. \$4.50.

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large yellow kernels that have a buttery tint when popped.

White Hulless. Small, white kernels.

Above two, lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4.50, 100 lbs. \$35

POP-CORN FOR POPPING

Giant Yellow. Lb. 25 cts., postpaid 40 cts.; 5 lbs. \$1.10, postpaid \$1.35.

White Hulless. Lb. 30 cts., postpaid 45 cts.; 5 lbs. \$1.35, postpaid \$1.60.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Mohawk. Fine, hardy, heavy, resistant to *helminthosporium*, Oat. Heavy yielder. Stout straw. Pk. \$1.65, bus. (32 lbs.) \$5, 10 bus. \$47.50.

Welcome. Heavy, handsome, and productive. Swedish type. Qt. 35 cts., postpaid 50 cts.; pk. \$1.50, bus. (32 lbs.) \$4.50, 10 bus. \$42.50.

ALPHA BARLEY. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 40 cts., postpaid 55 cts.; pk. \$2, bus. (48 lbs.) \$6, 10 bus. \$57.50.

SPRING RYE. Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bushel with 75 pounds of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bushels of Rye per acre. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. (56 lbs.) \$7.50, 10 bus. \$70.

SPRING WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bushels per acre. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. (60 lbs.) \$7.50, 10 bus. \$70.

WHEAT FOR COOKING. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2.50, 100 lbs. \$15.

A HELPFUL BOOK

Modern Farmers Cyclopedia of Agriculture. Wilcox. Culture of every important field, orchard, and garden crop in America. In alphabetical order with complete cross references. 498 pages. \$4.50.



Longfellow (Flint) Corn

Leguminous and Sundry Farm Seeds; Sorghums and Millets



Soybeans

In Place of Manure Grow Soil-improving Plants; plow or dig them under

The added organic material will retain plant-food and hold moisture. Do not allow even the smallest area to remain idle, but harrow or rake under General Garden Fertilizer, 1 ton per acre or 50 pounds to each 1000 square feet, and sow one or more of the under-noted crops, appropriate to the season. It is desirable to sow combinations of them; when mixed together the stated quantities may be reduced in proportion.

Quantity when sown alone

	Per acre	Per 1000 sq. ft.
SPRING SEEDING		
*Spring Vetch.....	100 lbs.	3 lbs.
*Canada Field Peas....	3 bus.	3 qts.
Spring Rye.....	2 bus.	2 qts.

SUMMER SEEDING		
*Soy Beans.....	2 bus.	2 qts.
*Cowpeas.....	2 bus.	2 qts.
Mammoth Buckwheat....	2 bus.	2 qts.
*Crimson Clover.....	35 lbs.	1 lb.

EARLY FALL SEEDING		
Winter Rye.....	2 bus.	2 qts.
Winter Wheat.....	2 bus.	2 qts.
*Winter or Hairy Vetch..	100 lbs.	3 lbs.

SEEDING ANY TIME		
*Mixed Clovers (Sawco Formula No. 3).....	35 lbs.	1 lb.

Varieties marked * are legumes, and are of additional value because of the nitrates which are added to the soil by colonies of bacteria in nodules on the roots of leguminous plants. Use these, and you need not buy nitrogenous fertilizers. Treat seeds marked * with Legume-Aid before sowing to insure a sufficiency of these bacteria.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

Mixed Cowpeas. Qt. 50 cts., postpaid 65 cts.; pk. \$3, bus. (60 lbs.) \$8.50, 10 bus. \$82.50.

SOY BEANS The Crop of Many Uses

Mammoth Yellow and Wilson are slow-growing, tall and bushy sorts which do not mature Beans in northern latitudes, but are the best to use for green cattle and hog feed, for silage or excellent hay; also for plowing under for soil-improvement.

For these purposes, sow 3 to 4 pecks per acre in close rows, or 6 to 8 pecks if drilled solid or broadcast. When grown with corn, allow 1 peck with 15 pounds of corn to the acre.

Cayuga grows quickly enough to mature its Beans in the North. They are excellent for mixing with corn and other materials for high protein dairy and stock feed. From these Beans, the valuable Soy-bean oil is expressed; they also supply the foods, plastics, paints, varnishes and soaps with which we are becoming increasingly familiar. For the production of Beans, use 2 to 3 pecks per acre, drilled into 20 to 30-inch rows. The culture of Soybeans makes the land more productive for a succeeding crop.

Mammoth Yellow. Enormous plants. Ideal for green feed, silage or hay; and for plowing under. Yellow seed.

Wilson. A black-seeded sort. Early, but somewhat smaller.

Above 2 sorts, qt. 50 cts., postpaid 65 cts.; pk. \$3, bus. (60 lbs.) \$8.50, 10 bus. \$82.50.

Cayuga. Suitable for production of Beans in the North. Qt. 60 cts., postpaid 75 cts.; pk. \$3.25, bus. \$9.50, 10 bus. \$92.50.

Edible Soy Beans, Selected. Steep pods in hot water, then shell. For high-protein food. 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Soy Beans for Sprouting. Much used in Chinese cookery. Lb. 25 cts., postpaid 40 cts.; 5 lbs. \$1, postpaid \$1.25.

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (Vicia sativa). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or 1/2 bus. of a cereal and 75 lbs. of Vetch. Lb. 45 cts., postpaid 60 cts.; 10 lbs. \$3.75, 100 lbs. \$27.50.

Winter or Hairy Vetch (Vicia villosa). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or 1/2 bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 60 cts., postpaid 75 cts.; 10 lbs. \$5, 100 lbs. \$40.

CANADA FIELD PEAS. Three bushels per acre or 1 1/2 bus. Peas and 1 1/2 bus. oats. Qt. 60 cts., postpaid 75 cts.; pk. \$3, bus. (60 lbs.) \$9, 10 bus. \$87.50.

SORGHUMS AND MILLETS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 35 cts., postpaid 50 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3, 100 lbs. \$25.

BROOM CORN. Sow 20 pounds per acre. Lb. 55 cts., postpaid 70 cts.; 10 lbs. \$5, 100 lbs. \$40.

MILO MAIZE. Used for soiling, and fodder. Sow 15 pounds per acre. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3, 100 lbs. \$22.50.

MILLETS. Catch-crops to replace corn, wheat, or other crops which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 25 cts., postpaid 40 cts.; 10 lbs. \$2, 100 lbs. \$15.

Hungarian. Sow 50 pounds per acre. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2.25, 100 lbs. \$16.

Barnyard. Sow 25 pounds per acre. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2.25, 100 lbs. \$16.

Insure Your Crops

By Using These Proved Protectors

(Circulars on request)

Semesan Jr. Improved. Protects seed corn against smut and root-rotting, increases germination and yield, controls blight. Four ounces for each 2 to 3 bushels of seed. 12 ozs. 62 cts., 6 1/4 lbs. \$4.16, 25 lbs. \$13.85, 100 lbs. \$49.95.

Crow Repellent. Seed preserver for corn. Prevents birds taking seed; protects against ground-rot and smut. Non-poisonous and does not retard germination. Large, for 2 bushel seed corn, \$1. Small, for 1 bushel, 60 cts.

New Improved Ceresan. Use it on wheat, oats, barley and sorghums before sowing. Controls bunt, smut and other fungi. An ounce treats 2 bushels seed, a pound treats 32 bushels. 4 ozs. 35 cts., lb. 90 cts., 4 lbs. \$3, 8 lbs. \$6, 40 lbs. \$26.40, 100 lbs. \$61.05.

Legume-Aid inoculates field peas, cowpeas, soy beans, vetches, clovers, alfalfa and lespedeza with nitrogen-fixing bacteria. These crops will yield better, and they will leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. Plants produced from inoculated seed will have more nodules on their roots. Bushel size 50 cts., 2 1/2-bus. size \$1, 100-lb. size 50 cts. Garden pkt. (treats up to 5 lbs. of garden peas, sweet peas, lima beans and lupines) 10 cts. On all sizes other than the garden packet, please specify the kind of seed to be inoculated when ordering.

SUNDRY FARM SEEDS

MAMMOTH BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, 1 1/2 bushels per acre. Qt. 35 cts., postpaid 50 cts.; pk. \$1.75, bus. (48 lbs.) \$5.50, 10 bus. \$52.50.

FLAX or LINSEED. Use 75 pounds per acre. Lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4, 100 lbs. \$35.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 45 cts., postpaid 60 cts.; 10 lbs. \$3.50, 100 lbs. \$30.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3.75, 100 lbs. \$35.

MANGEL and SUGAR BEET. See page 10.

FIELD CARROT. See page 12.

RUTABAGA or SWEDE. See page 24.

Grass Seeds for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 70 cts., 10 lbs. \$6, 100 lbs. \$45.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$55.

Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$85.

Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Redtop and Clover only. Sow 30 pounds per acre. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$37.50.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

We deliver Above Grass Seeds and Mixtures anywhere in the U.S.; Either Express or Freight, Our Option

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the most recent specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell General-Purpose Mixture. With Kentucky Bluegrass as recommended for a number of years. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than the Special Pasture Mixture. May be used with a grain crop. Sow 20 pounds per acre. Lb. \$1.05, 10 lbs. \$9, 100 lbs. \$75.

Cornell General-Purpose Mixture. 1948 Revised Formula—without Kentucky Bluegrass. Sow 18 pounds per acre. Lb. \$1.15, 10 lbs. \$10, 100 lbs. \$85.

Cornell Permanent Pasture Mixture. 1948 Formula. For good land, adequately fertilized. A companion grain crop is not advised. Sow 18 pounds per acre. Lb. 85 cts., 10 lbs. \$7, 100 lbs. \$55.

Cornell Utility Mixture. 1948 Formula. For poorer soil than either of above. Minimum seeding per acre, 18 pounds. Lb. 95 cts., 10 lbs. \$8, 100 lbs. \$65.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

New Grass Sub-Varieties

We offer the following improved modern strains:

Creeping Red Fescue, Illahee Strain. Definitely creeping and especially valuable for lawns. The turf is superior to that of the standard Red Fescue. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

Orchard Grass, Akaroa Strain. A New Zealand sub-variety. Produces heavier crops and stools less than the type. Recommended for the metropolitan area and south, but not a great distance north, because it is unlikely to stand exceptionally severe winters. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

Tall Fescue, Alta Strain. For pasture. Does well on moist, heavy land. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$85.

CLOVERS

Seed of Maximum Purity and Highest Germination

Prices F.O.B. our stores except where noted

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices on request for larger quantities than shown.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 15 pounds per acre. American seed. Lb. \$1.35, 10 lbs. \$12.50, postpaid; 100 lbs. \$95.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American seed. Lb. \$1.35, 10 lbs. \$12.50, postpaid; 100 lbs. \$95.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than others. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. \$1.10, 10 lbs. \$10, postpaid; 100 lbs. \$80.

White Clover. Used in mixtures for pastures or lawns. Lb. \$1.50, 10 lbs. \$13.50, 100 lbs. \$115. (Delivery charges prepaid.)

Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. Oz. 35 cts., ¼ lb. \$1, lb. \$3, 10 lbs. \$27.50, postpaid.

Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$4.25, 10 lbs. \$40, postpaid.

Alfalfa or Lucerne. Deep roots resist drought. Use 20 pounds per acre drilled, or 30 pounds broadcast. Northern-grown, cold-resistant American seed. Lb. \$1, 10 lbs. \$9, postpaid; 100 lbs. \$70.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 15 pounds per acre drilled, or 20 pounds broadcast. Lb. \$1.20, 10 lbs. \$11, postpaid; 100 lbs. \$85.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 55 cts., 10 lbs. \$5, postpaid; 100 lbs. \$40.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, postpaid; 100 lbs. \$35.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 50 cts., 10 lbs. \$4.50, postpaid; 100 lbs. \$35.

BIRDSFOOT TREFOIL

(*Lotus corniculatus*)

Highly productive dwarf perennial legume, deep rooting and drought-resistant. Palatable to stock and valuable as a bottom ingredient in pastures. On slopes may even be added to grass seed for very rough lawns. Lb. \$3.50, 10 lbs. \$32.50, postpaid.

Lespedeza. For pasture, hay and lawn on poor land in warmer sections.

Korean. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3.25, 100 lbs. \$22.50.

Kobe. Lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4, 100 lbs. \$32.50.

Sericea. (Perennial.) Lb. 65 cts., postpaid 85 cts.; 10 lbs. \$5.50, 100 lbs. \$45.

For all Legumes use LEGUME-AID, nitrogen-fixing bacteria. Distinct culture for every crop: Alfalfa or Clovers, except Lespedeza, to treat up to one bushel, 50 cts., 2½ bushels, \$1; Lespedeza, up to 100 lbs. 50 cts. State crop when ordering.

High Quality Flower Seeds



Ageratum

ABRONIA umbellata (Pink Sand-Ver-bena). Annual. Trailing plant, specially fragrant at night. Rosy pink flowers. 9 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

ACHILLEA (Yarrow). Perennial.
Ptarmica, The Pearl. White; $2\frac{1}{2}$ ft. Small, double flowers in dense flattened clusters. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.
Millefolium roseum. Pink flowers. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

ACONITUM Wilsoni (Monkshood). Perennial. Mid-blue; 6 ft. Long spikes of helmet-shaped flowers until November. Pkt. 50 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75.
Napellus. Perennial. Blue, 3 to 5 ft. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

ACROCLINIUM (Everlasting). Annual. Chaffy, double, daisy-like flowers; for dried bouquets. 20 in. Mixed. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

AGATHÆA cœlestis (Blue Daisy). Greenhouse Plant. Tender perennial, with beautiful blue flowers 1 inch across. 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

AGERATUM (Floss Flower). Annual. Tassel-like clustered flowers, for edging or bedding. Start indoors and transfer to the open in May, or sow outdoors in May.

Blue Bedder. Delightful midget; large, deep lavender-blue flowers. 4 in. Pkt. 35 cts., 2 pkts. 60 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.
Midget Blue. Miniature sort for edging, and a mass of azure-blue flowers. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$3.

Fairy Pink. Starting to bloom even when half grown. Soft salmon-rose. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2.50.

Improved Blue Ball. Compact plants. Large, blue flowers. 4 in. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Blue Perfection. Large deep blue flowers. 6 in. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

AGROSTEMMA Coronaria (Rose Cam-pion; Mullein-Pink; Dusty Miller). Perennial. Woolly leaves and stems, with 1-inch terminal five-petal flowers of brilliant crimson. $2\frac{1}{2}$ ft. June to Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ARENARIA montana (Sandwort). Perennial. 6 in. Trailing green carpet with small white flowers. Pkt. 50 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

SWEET ALYSSUM • Madwort

Popular annuals, ideal for edging. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden.

White Carpet (*A. compactum*). Annual. White; 3 in. Flowers smother the plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

Annual Yellow (*A. lutescens*). Annual. Pale yellow, fading to white. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Little Gem (*A. maritimum*). Annual. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$5.

Sweet Alyssum (*A. Benthami*). Annual. White; 9 in. Well-known fragrant variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Violet Queen. Annual. Dwarf and free flowering. Fragrant deep violet blossoms. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Saxatile compactum (Golden Rain). Perennial. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

Saxatile, Silver Queen. Perennial. Lemon; 15 in. Early-blooming; will be appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25.

Perennial Rock Species, Mixed. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

AMARANTHUS. Annual. Brilliant-foli-aged plants, some bearing curious flowers.
Caudatus (Love-Lies-Bleeding). Blood-red; 4 ft. Drooping. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Molten Fire. Scarlet; 4 ft. Bronze foliage tipped with fiery scarlet. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Tricolor (Joseph's Coat). $2\frac{1}{2}$ ft. Leaves red, yellow, and green. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

ANAGALLIS (Pimpernel). Annual. Edging plant. Opens its flowers for fine weather and closes them as a storm warning.

Mixed. Blues and terra-cotta. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ANCHUSA (Alkanet). Striking hairy-leaved plants with large, myosotis-like flowers.

Italica, Dropmore Variety. Perennial. Gentian-blue flowers, July to September. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Myosotidiflora. Perennial. Mass of blue flowers. $1\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Annual, Blue Bird. Dwarf, compact type, with vivid indigo-blue blossoms. Flowers in three months. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ANEMONE (Windflower). Perennial. These types are for growing under glass; they need winter protection outdoors. 1 ft.

Giant de Caen, Mixed. Giant French Anemone. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Blue Poppy. Fine, all-blue sort. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

His Excellency. Scarlet-red. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

St. Brigid, Creagh Castle Strain, Mixed. Variety of colors. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

ANTHEMIS. Perennial. Scented foliage.
Kelwayi (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

Tinctoria. Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50



Sweet Alyssum

ARABIS alpina (Rock-Cress). Perennial. White; 1 ft. Spreading tufts flowering in April. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.
Alpina rosea. Perennial. Pink; 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

ARCTOTIS (African Daisy). Annual. Woolly leaves and daisy-like flowers.

Grandis. Lilac; 3 ft. Large flowers, showy, white above, lilac-blue beneath. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Sawco Hybrids. 1 ft. Coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

ARMERIA (Sea Pink; Thrift). Perennial. Useful and effective, tufted rock-garden plants with reed-like leaves and dense, ball-shaped flowers from June to August.
Formosa, Large-flowering Hybrids. Mixed colors; 16 in. Pink, red, carmine. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ASCLEPIAS tuberosa (Butterfly Weed; Pleurisy Root; Orange Milkweed). Perennial. Showy clusters of orange flowers; $2\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

Curassavica (Blood Flower). Greenhouse Plant. Purplish red flowers with orange hoods. Winter bloomer. 2 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ASPARAGUS plumosus nanus. Greenhouse Plant. For house or conservatory. Fine fern-like foliage; indispensable for use with cut-flowers.

Sprengeri. Greenhouse Climber. For hanging-baskets or table decoration. Leaflets 1 inch long.

Each, pkt. 25 cts., 100 seeds 75 cts., 500 seeds \$3, 1000 seeds \$5

ASPERULA azurea setosa (Sweet Wood-ruff). Perennial. Creeping plant, with deep green, whorled foliage; white flowers. Useful for shady situations. 6 in. June, July. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

AUBRIETA (False Wall Cress). Perennial. Rock-plants, forming mats of foliage with blue flowers in spring and summer. 6 in.

Græca. Light blue. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Large-flowering Hybrids, Mixed. Wide color-range. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

BALLOON VINE (Love-in-a-Puff). Annual Climber. This decorative subject will grow to 10 feet, and is good for covering fences, arbors, trellises, etc. Small white flowers are followed by 1-inch inflated fruits, nearly globular and three-angled. Interesting plant. Native of Bermuda, Florida and Texas. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., oz. 50 cts.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Of simple culture, with hooded florets on long spikes. Excellent border and bedding plants. Mass plantings make an excellent show, and for cutting they are ideal.

Treat as Annuals. Seed may be sown in the open ground early in May, or indoors in March for transplanting. More than 75 per cent of the plants resulting from seed of the following three types will be absolutely rustproof.

Maximum (Super-Giants; 3 ft.)

For the back of your annual border.

- Alaska.** Pure white.
***Apple Blossom.** Light pink.
Campfire. Luminous scarlet.
***Canary Bird.** Canary-yellow, deeper lip.
Copper King. Burnished copper; gold lip.
***Copper Queen.** Bronze, blended old-gold.
***Crimson.** Deep crimson.
***Loveliness.** Soft rose-pink.
Swingtime. Large pink florets, each tipped bright yellow, and with a white throat.
Yellow Giant. Closely placed flowers on large trusses; color, the deepest yellow so far.
- Each, pkt. 25 cts., 1/8oz. 85 cts., 1/4oz. \$1.50
COLLECTION: 5 varieties marked (*), \$1
Maximum, Mixed. Pkt. 20 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Majus or Tall (2 1/2 ft.)

For the middle distance of your annual border.

- Velvet Giant.** Bronze Medal, All-America Seed Trials for 1947. Strong, base-branching plants bear long flowering spikes of huge florets. Color is a remarkable velvety crimson-red, ennobled with a bronze-orange glow. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$3.50.
Cherry Rose. Plants are tall, uniform in appearance, branching from the base of the plant. Long, sturdy spikes have large, well-placed florets, that are a bright hue of intense cherry-pink. Unusual and new.
Reveille. Deep, luminous yellow with the upper lip toning to light lemon. May bear twenty spikes, 10 inches long, of very big florets.
Rosalie. Topaz-rose with darker center and a golden flush over all.
 Above 3, each, pkt. 25 cts., 1/8oz. 85 cts., 1/4oz. \$1.50
Buttercup. Canary-yellow.
Daintiness. Deep pink.
Harmony. Terra-cotta and rose.
Pinkie. Clear pink.
Scarlet (Defiance). Scarlet-red.
Shasta. Pure white.
- Each, pkt. 20 cts., 1/8oz. 75 cts., 1/4oz. \$1.25
COLLECTION: 6 pkts., one each above, \$1
Majus, Mixed. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Antirrhinum Nanum

(Dwarf Plants; 1 1/2 ft.)

- Amber and Gold.** The color effect is one of terra-cotta; the tips of the pink-throated florets are golden and their hoods amber.
Du Barry. A new color—flaming rose-salmon, shaded with gold, a self-hue, except for a yellow spot on the lower lip.
Carmine-Rose. Carmine-rose; yellow lip.
Garnet. Rich velvety crimson.
Indian Girl. Old-gold.
Wildfire. Orange-scarlet; yellow lip.
- Each, pkt. 20 cts., 1/8oz. 75 cts., 1/4oz. \$1.25
COLLECTION: Pkt. each, above \$1
Nanum grandiflorum, Mixed. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Greenhouse Antirrhinums

Of Special Interest to Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

Afterglow. Bronze. Pkt. \$1.

America. Brilliant rose-pink with orange lip, blending into pure lemon. Fine winter bloomer. Pkt. \$2.

Bertha Baur. Lavender. Pkt. \$1.

Better Times. Real American Beauty rose color. Pkt. \$2.

Bezdek's Yellow Wonder. One of the best yellows. Pkt. \$2.

Ceylon Court. Yellow. Pkt. 50 cts.

Cheviot Maid Supreme. Dark rose-pink. Pkt. 75 cts.

Cheviot Maid, Yellow. Long-stemmed; pure medium yellow. Pkt. \$1.

Christmas Cheer. Fine rose; midwinter. Heavy yielder. Pkt. \$1.50.

Ethel. Finest early golden yellow. Pkt. \$1.50.

Glorious. Bright scarlet-bronze. Early. Pkt. \$2.

Hodaly's Ideal. Sensational prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.

Junglewood White. New York Florists' Club Silver Medal. Pure white; deep green foliage; long stems. Pkt. \$2.

Junglewood Yellow. A rich yellow by the introducer of Junglewood White. Strong grower. Pkt. \$2.

Klondyke Supreme. Very deep yellow. Early. Pkt. \$1.50.

Koster's White. One of the best and most popular pure white Snaps. Vigorous grower, producing long and strong stems. Pkt. \$2.

Lady Dorothy. New York Florists' Club Silver Medal. Beautiful reddish bronze. Early. Pkt. \$3.

Lucky Strike. White. Pkt. \$1.

Marie Louise. Splendid shell-pink. Pkt. \$2.

Maryland Pink. Light pastel pink. Pkt. \$3.

Radiance. Large; deep rose-pink. Pkt. \$1.

Schafforth's Early Pink. Bright color. Pkt. \$2.

St. Louis Early Pink. One of the best. Pkt. \$2.

Talisman. Florets are semi-double and double, and their color is a combination of rose and golden bronze. Early. Pkt. \$2.

Terry's Surprise Improved. Rose, shaded bronze. Pkt. \$1.50.

Velvet Beauty. Fine rose-red. Pkt. \$1.

Westover's Fringed White. Reliable sort; beautiful white, cream tip. Pkt. \$1.

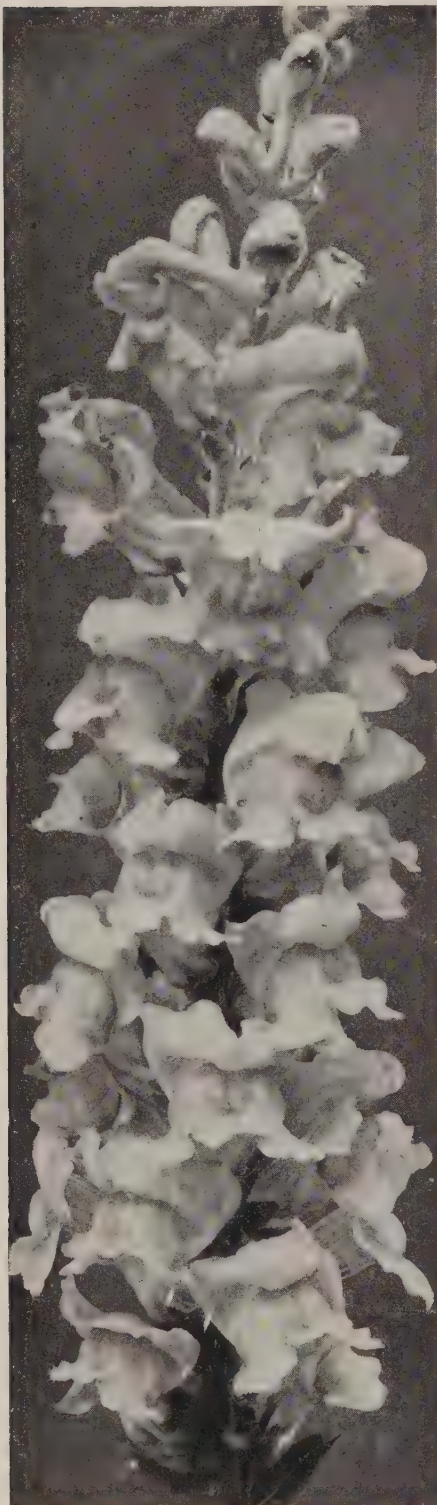
White Rock. Pkt. 50 cts.

White Wonder Improved. Finest pure white; large, close spikes. 5 ft. Pkt. \$1.50.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

Rock Hybrids. Valuable for edgings and the rock-garden. Early, continuous. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.



Antirrhinum maximum

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

Aurora, Golden Sheaf. The deepest yellow Aster. The flowers are perfectly double; of the Princess type, with a full, crest-like center. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Ball's White. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Blue Flame. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 20 cts., ¼oz. 60 cts., oz. \$2.

Heart of France. The plants grow about 2 feet high and bear their large, rich deep ruby-red flowers on long strong stems. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

QUEEN OF THE MARKET. Well-known; early; branching habit. 1½ ft.

Ballet Queen. Deep salmon-rose.

White	Scarlet
Crimson	Flesh-Pink
Dark Blue	Light Blue
Rose	

Any of above, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 8 colors, \$1.35

EARLY ROYAL. (Branching Type.) Early-flowering form. July.

White	Purple
Lavender	Shell-Pink
Rose-Pink	Scarlet

Each color, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1



Asters, Giant Sunshine

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

Orchid	Azure-Blue	Shell-Pink
Deep Rose		Crimson
Dark Blue		White

Any of above, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 7 colors, \$1.25

PRINCESS. These are wonderful for cut-bloom. The handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. 2 ft.

Princess Annie. Peach-blossom.
Princess Bonnie. Rose-salmon.
Princess Barbara. Orchid.
Princess Marsha. Rich cinnabar-scarlet.
Mixed Princess. Splendid blend.
Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

EARLY GIANT. The flowers are fully double, 4 to 5 inches across and are wonderful for room decoration. 2½ ft.

Peach Blossom. Lavender-pink.
Light Marie. Bright, light hue.
Rose Marie. Rose-color, bright and rich.

Any of above, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75, oz. \$6

COLLECTION: Pkt. each, above 3, 60 cts.

MIDSEASON GIANTS. Flowers often measure 6 inches in diameter and fully double.

Azure-Blue	Shell-Pink	Purple
Lilac	White	Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, 6 colors, \$1



Asters, Late Branching

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink	Deep Rose	White
Purple	Azure-Blue	Crimson

Each color, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 6 colors, \$1.25

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White	Purple
Shell-Pink	Crimson
Rose-Pink	Sensation (red)
Lavender	

Each color, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 7 colors, \$1.25

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across. In a choice blend of colors.

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Sunshine Aster

GIANT SUNSHINE. Not wilt-resistant. Individual blooms are enormous, 4 to 6 inches across, with cushiony center of tubular florets and rims of pointed out-guard florets. 3 ft.

Mixed Colors. Pkt. 25 cts., ¼oz. \$1, oz. \$3.

Hardy Perennial Asters

Michaelmas Daisy; Starwort

These are readily grown from seed sown in spring or early summer to bloom next year.

Alpinus (Rock Aster). Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 35 cts., ½oz. \$1.25, ¼oz. \$2.

Alpinus albus. White form of the above. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Alpinus Mixed. Blues, purples, violets and whites. Average height 1 ft. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Wartburg Star. Bright lavender-blue, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$3.50.



Hardy Asters, Alpinus albus



Aquilegia, Long-spurred

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems; spring. 2½ ft.

Sawco Colossal. Outstanding mixture. The enormous flowers measure about 5½ inches across and are exceptionally long-spurred. Pkt. 50 cts., 3 pkts. \$1.25, ¼oz. \$2, ½oz. \$3.50.

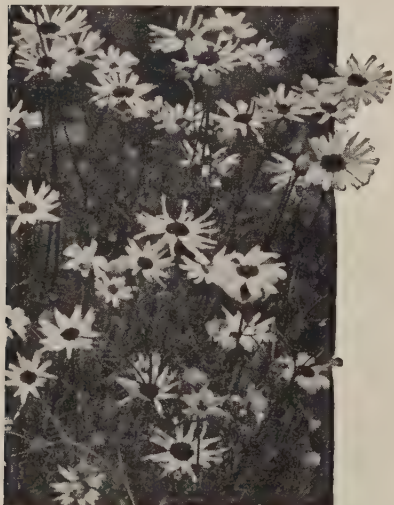
Long-spurred Columbines.

Blue Shades	Pink Shades
Scarlet Shades	Mixed Shades
Above 4, each, pkt. 25 cts., 5 pkts. \$1, ½oz. \$1.50, ¼oz. \$2.50	

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cærulea. Violet-blue and white; 2 ft. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.25, ¼oz. \$2.

Longissima. Yellow; 2½ ft. Spurs often 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25.



Brachycome

BOCCONIA cordata (Plume Poppy; Tree Celandine). *Perennial.* Effective as single specimens or groups on lawns. Foliage glaucous green. Bears spikes of cream-colored flowers 2 to 3 feet long. 5 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

BALSAM

Lady's Slipper

Annual. Pyramid-shaped plants, ordinarily with a single main stem bearing brilliant double flowers shaped like camellias. Showy flower-bed subjects.

Double Camellia-flowered, Mixed. Self-colors, also spotted, blotched and striped varieties. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Double Bush-flowering Balsams

In this new type the plants are basal-branching to form neat bushes; covered with double flowers. Excellent bedding plants.

White	Scarlet	Rose
	Mixed	

Each, pkt., 25 cts., ¼oz. 75 cts., oz. \$2.50

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright double flowers. Excellent for edging spring flower-beds. Stands the winter if given protection. Sow in early summer to bloom the following year. Improved giant-flowering strain.

Giant Pink	Giant Mixed	Giant White
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Each, pkt. 35 cts., ¼oz. \$1.50, ½oz. \$2.50

Double Red Quilled. Pkt. 50 cts., ½oz. \$1.75, ¼oz. \$3.



Balsam

BRACHYCOME (Swan River Daisy or Annual Cineraria). *Annual.* 1½ ft. Dwarf plant of Australian origin, covered with a profusion of flowers. Good for edging or borders. Mixed, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

BROWALLIA (Amethyst). *Annual.* Beautiful rich blue tubular flowers during summer and autumn. Very easy to grow. Blooms freely in winter if plants are lifted and cut back.

Sapphire. 10 m. Dark blue flowers, each with a white eye. Pkt. 25 cts., 5 pkts. \$1.

CACTUS SEED. Sow this interesting novelty thinly, in porous soil, under glass or in the home; and later, transplant into individual pots. Mixed varieties. Pkt. 50 cts., 3 pkts. \$1.25.

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year.

Semperflorens Type

Coral Prize. Deep coral-pink self-colored flowers.

Indian Maid. Deep blackish brown foliage and brilliant orangy scarlet flowers about 1 inch in diameter.

Ile de France. Symmetrical plants are smothered under pure white flowers.

King of the Reds. Glowing scarlet. The green leaves are edged bronze.

Zahring. Flowers 1½ to 2 inches across, rose-pink shading to white in center.

Each of the above, pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2

Christmas Cheer. Plants covered with cherry-red flowers 2 inches in diameter.

Christmas Pink. The color is a beautiful shade of bright pink.

Above 2, each, pkt. 35 cts., 3 pkts. \$1

Gracilis Type

Adeline. Bright pink, green foliage; dwarf. Pleasing.

Carmen. Dwarf; not over 15 inches. The 1-inch flowers are clear pink; foliage a dark, shining bronze.

Luminosa. Brilliant dark scarlet.

Luminosa compacta. Scarlet-red flowers in great profusion. 5 in.

Prima Donna. Light rose, shaded carmine.

Pure White. Green foliage; dwarf, compact plant. Very effective.

Above 6, each, pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2

Tuberous-rooted Begonias

Large-flowering

Grow indoors and out (during summer).

Single, Mixed.	Double, Mixed.
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Each, pkt. \$1.50, 3 pkts. \$4



Tuberous-rooted Begonias



These Beautiful Asters

WILL MAKE YOUR GARDEN A RIOT OF COLOR AT LOW COST

Sow outdoors during May in an open, sunny position and good, rich, loamy soil. Or seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as frost is over. Allow 18 inches between plants.

MIDSEASON GIANTS

Sturdy, upright, wilt-resistant plants bear flowers often measuring 6 inches across.

1. Azure-Blue

3. White

5. Lilac

2. Shell-Pink

4. Rich Rose

6. Purple

Each color, pkt. 25 cts., 1/4 oz. 75 cts., oz. \$2.50.

COLLECTION: One pkt. each above 6 Asters, \$1



KING CARNATIONS

ANNUALS. Sow outdoors in spring, or earlier indoors. Plant out the seedlings 6 inches apart, and you will have Carnations that are full, sweetly perfumed and medium large. Remove side-buds and allow one flower to a stem.

Maroon King	Red King	White King
Rose King	Pink King	Yellow King
Each, pkt. 25 cts., 1/4oz. 85 cts., 1/4oz. \$1.50		

COLLECTION: Pkt. each, above 6 colors, \$1.25



MORNING-GLORIES IN

SCARLETT O'HARA. *Left.* Flowers 3 1/2 inches in diameter; remain open from sunrise well past noon—hence *Morning-Glory*. Pkt. 25 cts., 1/2oz. 75 cts. oz. \$1.25, 1/4lb. \$4.

PEARLY GATES. *Above.* A true giant, with 4-inch diameter blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942. Pkt. 25 cts., 1/2oz. 75 cts., oz. \$1.25, 1/4lb. \$4.

HEAVENLY BLUE. *Right.* Flowers 4 inches in diameter. We offer an improved, early-flowering strain. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50.

**DISTINCT
COLORS**



MORNING-GLORIES (Ipomoea)

ANNUAL CLIMBERS. Excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open in a sunny situation when the weather has warmed.

Three varieties are shown:

Scarlett O'Hara, Pearly Gates and Heavenly Blue.

COLLECTION: 1 pkt., each above 3, Morning-Glories, 50 cts.

CALENDULA • Pot Marigold

Annuals. Daisy-like flowers. Sow outdoors in spring, or earlier indoors and transplant. Grown under glass during winter. 2 ft.

Yellow Colossal. The largest in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Double Art Shades. Pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Radio. Globular flowers with quilled florets; warm, deep yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Chrysantha. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Orange Shaggy. Florets overlap and flower looks like a chrysanthemum. Deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Orange Fantasy. Orange blooms are $3\frac{3}{4}$ inches across, with a center of mahogany-bronze. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Pacific Beauty Calendulas

Ultra-modern. Plants are bigger over all, and half a foot taller. Flowers are larger, and more resistant to summer heat; they have longer florets, with colors that are clear, bright and new.

Persimmon Beauty. Brilliant persimmon-orange.

Lemon Beauty. Clear lemon-yellow.

Apricot Beauty. True apricot hue.

Above three, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Popular King Calendulas

Gold King Lemon King Orange King

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; $\frac{1}{4}$ oz. each of above 3, \$1

Cut-Flower Mixture. All colors and types. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BALL'S STRAIN CALENDULAS

Ball's Orange Improved

Ball's Gold Improved

Ball's Masterpiece

Ball's Apricot

Ball's Supreme

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50



Calendula, Campfire

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

Giant Strain. English. Enormous blooms; finest obtainable. Mixed colors.

Multiflora Nana Type

Cloth of Gold. Large trusses of immense blooms; pure deep yellow.

Indian Prince. Bright orange-scarlet.

Mixed. Ideal for bedding; small flowers in great profusion. All combinations of yellows, orange and brown.

Above, each, pkt. 50 cts., 3 pkts. \$1.25

CAMPANULA • Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch bells on long spikes. Sow June to September; transplant 9 inches apart; after frost, protect with leaves. They flower the following June, then die.

SINGLE

White **Rose** **Light Blue**
Dark Blue **Mixed**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Double Canterbury Bells. All colors mixed. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Annual Canterbury Bells

Sown in gentle heat during February and March, and the seedlings planted out, the plants will bloom in September.

Choice Mixed. Our own selection of scintillating colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 55 cts., oz. \$1.75.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers. Both calyx and corolla are colored, causing the flowers to resemble a cup and saucer.

White **Rose** **Light Blue**
Dark Blue **Mixed**

Each, pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Blue. Largely used for edging.

Flowers all summer. 6 in.

Carpatica alba. White form. 6 in.

Above two, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Garganica. Lovely rock-plant. Clear deep blue with white eye. Trailing. 4 in. July. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$2.50.

Persicifolia grandiflora, Blue (Peach Bells). A 3-ft. pyramid, with large bells.

Persicifolia grandiflora alba. White form. Above two, each, pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Persicifolia grandiflora, Telham Beauty. Large flowers of delicate china-blue; within the bells is a beautiful silvery shading. 4 ft. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

Wedgwood. In this improved *C. persicifolia* we have larger flowers of a richer, deeper violet-blue. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Erect pyramid with beautiful blue flowers. 4 ft. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Pyramidalis, White. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Rotundifolia, Olympica. Improved Harebell or "Bluebells of Scotland." Light blue flowers; stands shade. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. Long-stemmed flowers are mostly yellow and daisy-shaped, with a center tuft and ray-florets which are wide, fluted, and frequently notched on the margin. Excellent for cut-bloom.

ANNUAL CALLIOPSIS

Gold Crest. Rich golden yellow, chestnut-brown center. 1 ft.

Crimson King. Crimson-garnet. 10 in.

Marmorata. Yellow and red. 2 ft.

Tiger Star. Rich reddish brown, striped golden yellow. 10 in.

Nigra speciosa. Reddish brown. 2 ft.

Golden Crown. Mixture of gold and orange types; many have double florets. Excellent for cut-bloom; fragrant. $1\frac{1}{2}$ -2 ft.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

COLLECTION: Pkt. each 6 varieties, 75 cts.

Alldouble Mixed. A selection of tall double varieties. 2 to $2\frac{1}{2}$ ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 55 cts., oz. \$1.75.

PERENNIAL COREOPSIS

Grandiflora, Double Sunburst. Brilliant golden yellow flowers, 80 per cent of them fully double and $3\frac{1}{4}$ inches across. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mayfield Giant. Single. More vigorous than the type; larger flowers on longer stems. The color is more intense yellow. $3\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CANDYTUFT • Iberis

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April and thin to 9 inches. Sow also in July for fall.

Giant Hyacinth-flowered. Flowers large, white, borne in big trusses well above the foliage. For cutting or the border. $1\frac{1}{4}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

The Gem. A miniature form of the above. Trusses of large white flowers are pushed above the plant, which is only 4 inches high. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered dwarf type, for edging, bedding, and for the annual border. 10 in.

Carmine **Rose-Cardinal** **Lavender**
White **Crimson** **Flesh-Pink**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 6 colors, 75c.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Perennial Candytuft

Very desirable plant for rock- and wall-gardens, having almost evergreen foliage which is completely covered with dense heads of flowers. Blooms in May and June.

Gibraltarica. White, shaded pink and light purple. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Sempervirens. Strong-growing variety with large heads of white flowers. 15 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

CARDINAL CLIMBER (Star Glory; *Ipomoea Quamoclit cardinalis*). Rapid-growing, annual climber, to 30 feet. Fern-like foliage and cardinal-red flowers $1\frac{1}{2}$ inches across are borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.



Carnation, Enfant de Nice

CARNATIONS

Annual Varieties

ENFANT DE NICE. Of upright habit, with flowers $2\frac{1}{2}$ to 3 inches in diameter on long stems. Colors come about 75% true from seed, and the plants are about 90% double.

Red	Salmon	White
Rose	Striped	Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

GIANT DOUBLE KING. Sow outdoors in spring, or earlier indoors. Plant out the seedlings 6 inches apart, and you will have Carnations that are full, sweetly perfumed and medium large. Remove side-buds and allow one flower to a stem.

Maroon King	Red King	White King
Rose King	Pink King	Yellow King
Mixed, All Colors		

Each, pkt. 25 cts., $\frac{1}{2}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50

COLLECTION: Pkt. each, above 6 colors, \$1.25

Perennial Varieties

Dwarf Grenadin. Early type of double border Carnation; large flowers. Sown early, will bloom first year. 14 in.

Yellow	King of the Blacks	Scarlet
Rose Queen	White	Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{2}$ oz. \$2

CATANANCHE cærulea (Cupid's Dart). Perennial, flowering first year. Daisy-like, chaffy everlasting blue flowers. 3 ft. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

CELOSIA Childsi (Chinese Woolflower). Unique form. Large flower-heads that seem to be made of silk or wool. For beds, borders, or cut-flowers. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Scene in our New York Store.
Flower seeds are in center rear.

CELOSIA PLUMOSA

Feathered Cockscomb

For beds or groups. Flowers are plume-like; dry them for winter bouquets. 2 ft.

Crimson	Yellow	Mixed
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.		

Fiery Feather. Red and pink shades.

Golden Feather. Yellow.

Each, pkt. 25 cts., $\frac{1}{2}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50

Thompsoni magnifica, Improved Strain, Mixed. Of pyramidal growth with graceful feathery plumes; magnificent shades. $2\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.



Celosia plumosa

CELOSIA, Pride of Castle Gould. Pyramidal plants produce immense feathered heads of blood-red, wine-red, scarlet, carmine, salmon, orange and gold. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{2}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50.

CELOSIA cristata (Cockscomb). Brilliant annuals with flowers in tight clusters. For beds, borders and pots. Sow indoors in early spring or outdoors in May. 1 ft.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Each, pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Dwarf, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Royal Velvet. Produces a large-centered crimson flower, surrounded by smaller clusters on basal branches. 2 ft. Pkt. 20 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Gilbertia Cockscombs (3 ft.)

Gilbert's Maple Gold. Each maple-pink head is tipped brilliant gold.

Gilbert's Green Gold.

Gilbert's Rose Beauty.

Above, the loveliest of all Cockscombs, each, pkt. 35 cts., 3 pkts. \$1

CASTOR-BEAN (*Ricinus*; *Palma Christi*).

Annual. Tall, stately-growing, tender plants of tropical appearance. Oil is expressed from the curious beetle-like seeds.

Mixed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60c.

CENTAUREA

Cornflower; Sweet Sulian

Annuals and Perennials

Annuals are popular; they grow almost anywhere; excellent cut-flowers. The perennial types are good cut-flowers also, while the Dusty Millers are valuable edging subjects.

CENTAUREA Cyanus (Cornflower; Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor). Annual. Sown outdoors in April, and at intervals later for a succession of bloom. Let stand 8 inches apart. 3 ft.

Blue Boy.	Red Boy.
Black Boy. Maroon.	Snow Man. White.
Pinkie. Rose.	Mixed.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
COLLECTION: Pkt. each, 5 colors, 60 cts.

Jubilee Gem. Double flowers of brightest blue literally cover the plant. Suitable both for outdoors and greenhouse culture. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Polar Gem. Companion type to the above, but snow-white. Valuable to the florist. A beauty. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

CENTAUREA imperialis (Giant Sweet Sulian). Annual. Valuable for cutting. Beautiful, sweet-scented fluffy flowers on long, strong stems. Sow for succession from May to July. $2\frac{1}{2}$ ft.

White, Pink, Purple, Lilac, Red, Yellow. Mixed. A select mixture of above colors.

Each, pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 6 colors, \$1

Lavender Beauty. Light lavender, creamy white center. A new Imperialis variety with flowers 3 to $3\frac{1}{2}$ inches across. $1\frac{1}{2}$ to 2 ft. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Americana (Basket Flower). Annual. Deep lavender, blooms up to 4 inches in diameter. Striking and attractive subject for the annual border, and excellent for cutting. 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Americana alba. Annual. White form of the above. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Macrocephala. Perennial. Large golden flowers, useful for cutting. July, Aug. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Montana (Perennial Cornflower). Hardy Perennial. Large, violet flowers. 2 ft. July-Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Dusty Millers (*Centaurea*)

Perennials treated as annuals. Foliage plants for edging. White-green leaves contrast strikingly with other plants.

Candidissima. Leaves lanced and silvery.

Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Gymnocarpa. Fern-like leaves, and taller.

Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Castor-Bean (*Ricinus*)



Centaurea imperialis

CHRYSANTHEMUMS

Showy, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for cut-flowers. Average height 2 ft. July-Oct.

Atrosanguineum. Bright crimson.

Burridgeanum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Yellow petals with dark disc.

Eclipse. Beautiful golden bronze.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown.

Luteum. Pale yellow. Charming cut-flower.

Northern Star. Flowers 3 inches in diameter; white, with a yellow zone and dark brown center.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 8 colors, \$1

Golden Crown. Fine deep yellow, fully double flowers. Ideal for cut-bloom. 3 to 4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Mixed Annual Chrysanthemums
Single Double
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Perennial Chrysanthemums

Korean, Mixed. 2 ft. Sown in early spring, these will be a blaze of color by September. The flowers are single, many of them are large, and all are brilliantly colored. They include all hues. In mixture only. Pkt. 50 cts., 3 pkts. \$1.25.

White Shasta Daisies

Alaska. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Giant Double. An assortment of doubles, semi-doubles, and singles; some with lacinated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

CERASTIUM tomentosum (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CINERARIA

Greenhouse Annual

Brilliant colors in daisy-shape blooms. Sow May-September. Transfer direct from seed-pans to thumb-pots; place in coldframe. As pots become full of roots, shift to larger ones until flowering size is reached.

Siter's Rainbow Strain. Small foliage and immense flower-heads; individual blooms are medium large, and most have a white eye. Pkt. \$2; 3 pkts. \$5.50.

Cremer's Prize Strain. Flowers large and color-range exceptionally fine. Florets are wide, and they overlap well. Smaller leaves than those of the old type. Resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.

California Super-Giants, Mixed. Prize Cinerarias, grown by a specialist. Numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/2 inches wide. Pkt. 75 cts., 3 pkts. \$2.

Stellata Mixed. Cactus-flowered. Delicate, star-like quilled blooms on tall stems. Tall. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Potsdam, Mixed. Extra-choice, dwarf strain. Plants completely covered with brightly colored flowers. Pkt. 50 cts., 3 pkts. \$1.25.

CHEIRANTHUS. Hardy, blooms first year. Allioni (Siberian Wallflower). For the rock-garden or border. Orange flowers in May and June. Sow indoors in March and plant out in May; or in the open in September, to flower next spring. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.
Allioni, Golden Bedder. Deep yellow flowers larger than the type. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CHELONE (Turtlehead). Perennial. Long panicles bearing small two-lipped tubular florets are good for cutting. 3 ft.

Barbata. Coral-red. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CLARKIA. Annuals, with showy flowers in leafy spikes. Useful greenhouse plant also, and good for cut-flower purposes. 1 1/2 ft. The following are double:

Salmon Queen. **Scarlet King.**
Brilliant King. **Crimson.** **White King.**
Purple King.

Each, pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

CLEOME, Pink Queen (Spider Flower). Annual. Excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers are a pleasing salmon-pink color changing to white as they mature. Stamens look like spiders' legs. 3 to 4 ft. Pkt. 20 cts., 1/4oz. 60 cts., 1/2oz. \$1.

COBÆA (Cup-and-Saucer Vine). Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Will cling to a trellis, arbor, tree-trunk, or almost any rough surface. Start the seed indoors in March or outdoors in May.
Scandens. Large bell-shaped purple flowers. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.

CORAL FLOWER. Half-hardy Annual. Fleshy leaves and clusters of star-shaped flowers. The capsules which follow look like coral beads. Pkt. 50 cts., 3 pkts. \$1.25.

CYCLAMEN

Greenhouse Plant

Giant type developed by European specialists. Seed is sown in autumn, the young plants carried through winter in a cool greenhouse, repotted in May and kept during summer in a shaded frame. Brought into the greenhouse or conservatory in October they flower in winter, 15 months after sowing.

Pure White.

White with Carmine Eye.

Light Salmon.

Dark Salmon.

Dark Red.

Cherry-Red.

Bright Fire. Christmas color

Mixed.

Each of the above, pkt. (10 seeds) 75 cts.,
50 seeds \$3, 100 seeds \$5

COLEUS. Conservatory or bedding foliage plant. Foliage highly decorative; flowers are insignificant and are usually pinched off.

Copper Giant. Coppery-rose shades.

Rainbow Hybrids. A splendid mixture. Plants are all hues.

In both the above, leaves are a striking color; most effective.

Each, pkt. 50 cts., 3 pkts. \$1.25

CUPHEA, Firefly (Cigar Plant). Treat as an Annual. Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with small tubular flowers that are cerise-red; each has a darker band near its end and an ash-white tip. They appear twelve weeks after seeding. 1 ft. Pkt. 20 cts. 1/4oz. 50 cts., 1/2oz. 75 cts.

Dwarf Hybrids. Various shades of rose, pink, scarlet and near purple. Pkt. 25 cts., 1/4oz. 60 cts., 1/2oz. \$1.

CYNOGLOSSUM (Chinese Forget-me-not; Hound's Tongue). Annual. Perfumed plant; myosotis-like flowers.

Firmament. Large; indigo-blue. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

CYPRESS VINE (*Ipomœa Quamoclit*). Annual Climber. One of the most popular of annual climbing plants with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. It is advisable to soak seed in water for a few hours before planting out in order to hasten the germination. Frequently attains a height of 15 feet; sow outdoors in May. Mixed. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$1.



Cobæa scandens



Cosmos, Crested

Early Dwarf Crested Cosmos

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are unusually large, and they come into bloom fully as quickly as the Early Single sorts.

Pink Beauty	Crimson Beauty
White Beauty	Mixed Beauty
Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5	
COLLECTION: Pkt. each, 3 colors, 60 cts.	

Early Express Type

A modern quick-growing strain that reaches a height of about 2½ feet and bears fine large flowers on long stems within 45 days of sowing seed.

Crimson Express	Pink Express
White Express	Mixed Express
Each, pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50	
COLLECTION: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.	

Sensation Type

A new, early, large Cosmos. Flowers are 4 to 5 inches across, with wide, fluted florets. Flowers in 10 weeks from seed. 4 ft.

Pinkie. Pink.	Purity. White.
Crimson Sensation	
Each, pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50	
COLLECTION: Pkt. each, 3 colors, 35 cts.	

Dazzler. The giant flowers are 4 or more inches across; because Dazzler is a member of the Sensation group, they appear early, when the plants are but 30 inches high, but continue as an ultimate 5 to 6 feet is attained by autumn. Somewhat taller than others in the group, but equally quick to bloom. The color is a rich deep amaranth-crimson. Won a high place in the All-America Seed Trials for 1943. Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50.

Sensation, Single, Mixed. Pkt. 10 cts., 1/8oz. 35 cts., oz. \$1.25.

DOUBLE SENSATION. Surprisingly quick to bloom. The flowers are 4½ inches across, appearing in about ten weeks.

Pink Lady. Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.

White Cloud. Soft, velvety white.
Above 2, each, pkt. 50 cts., 3 pkts. \$1.25
Sensation, Double, Mixed. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed ¼ inch, and thin out or transplant to not less than 1½ feet apart. Sow under glass in April or May for earlier bloom.

Radiance • New!

All-America Silver Medal Winner for 1948. A 5-foot variety, rugged, strong, bearing a wealth of huge blooms that are rose-pink with a wide inner zone of deep crimson and a cushion of yellow stamens in the center.

A two-color Cosmos is a novelty, but the deep crimson hue is indeed unusual. Small wonder it proved a top winner in the nation-wide seed tests. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer. 5 ft.

Lady Lenox. Deep rosy pink.
Lady Lenox, White. Pure white form.
Crimson
Mixed

Each, pkt. 10 cts., 1/8oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, 3 colors, 25 cts.



Cosmos, Early Orange Flare

Orange, Yellow and Golden Types

Early Orange Flare. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. 3 ft.

Yellow Klondyke. Lighter in color and a fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are 1¾ inches across. 3 ft.

Orange Ruffles. Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as Orange Flare. 2½ ft.

Above 3, each, pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50

Sunlight Splendor. Fine mixture of orange and yellow hues. Pkt. 25 cts.

Stately Delphiniums

Hardy Larkspur

Mostly exceeding 6 feet, these striking perennials produce magnificent flower-spikes in July and August; cut them down after blooming for a second growth in fall. Many treat as an annual, sowing under glass in midwinter.

GOLD MEDAL HYBRIDS, Mixed. Immense spikes, and the best colors. Recommended to the specialist. Pkt. 35 cts., 1/8oz. \$1, 1/4oz. \$1.75, oz. \$6.

Giant Pacific Hybrids

These New Hybrids are so much larger and finer than the best varieties produced hitherto, that they have deeply impressed all who have seen them. All the florets are 2 inches or more across, and they are excellent for show purposes. Both seeds and plants are available.

Each of the following, except Clear White, has a marked resistance to mildew.

Black Knight Series. Very dark blues.

Cameliard Series. Lavender selfs.

Galahad Series. White.

Above 3, each, pkt. \$1.50, 1/8oz. \$4.25, 1/4oz. \$8

Blue Bird Series. Clear mid-blue with white bee.

***Blue Jay.** Blue, gray overtone; dark bee.

Clear White. Glistening white.

***Guinevere Series.** Pink-lavender; white bee.

***King Arthur.** Royal violet; white bee.

***Summer Skies.** Light blue; white bee.

Above 6, each, pkt. \$1, 1/8oz. \$4, 1/4oz. \$7.50
COLLECTION: Pkt., each, varieties marked * \$3.50

Round Table Series. Noble mixture. Pkt. \$1, 3 pkts. \$2.50, 1/8oz. \$3.25, 1/4oz. \$6.

Mixture, all Shades

Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$2.50, 1/4oz. \$4

Some Other Fine Varieties

New Hollyhock Strain. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double. 6 ft. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

Belladonna. Clear turquoise-blue flowers. Everblooming. 5 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Cliveden Beauty (Improved Belladonna). Bright blue. Larger flowers and a stronger plant are the advantages of this strain. 5 ft. Pkt. 25 cts., 1/8oz. 85 cts., 1/4oz. \$1.50.

Bellamosum. Blue; 5 ft. Similar to the above except in color which is a darker blue. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Cardinale. Beautiful cardinal-red. 2½ ft. Pkt. 25 cts., 1/8oz. 85 cts., 1/4oz. \$1.50.

Chinense, Blue Butterfly. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. 1½ ft. Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50.

Chinense, Cambridge Blue. Clear, rich light blue. Fine for cut-bloom. 2½ ft. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Chinense album. White form. 3 ft. Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50.

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 12.

DAHLIAS FROM SEED

Tender Perennial; treat as an Annual. Ideal for cutting; they make striking flower-beds. Sow in March indoors and plant out, or sow outdoors in May. Bloom in four months.

Dwarf Kinds (1½ to 3 ft.)

Miniature Types, Mixed. Varieties of outstanding merit; fine colors. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50.

Dwarf Bedding, Mixed. Charming colors; double and semi-double flowers. Pkt. 35 cts., ½oz. 75 cts., ¼oz. \$1.25, oz. \$4.

Coltness Hybrids, Mixed. Neat compact plants with single flowers. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

Tall Dahlias

Expect interesting results; occasionally a hybrid of value will turn up. To be certain of definite shapes and colors it is necessary to plant roots; offered on pages 58 and 59.

Cactus, Mixed. Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.50.

Double-flowering Exhibition Strain, Mixed. Saved from good Show sorts. Pkt. 50 cts., ½oz. \$1.25, oz. \$4.

Giant Exhibition Type, Mixed. Specially choice mixture of the largest and best exhibition varieties. Pkt. \$2, 2 pkts. \$3.50.

DATURA cornucopia (Trumpet Flower). Annual. Fragrant flowers, 8 inches long by 5 inches across, pure white inside and purple outside. Ideal for the white garden. 4½ ft. Pkt. 25 cts., ½oz. \$1, oz. \$3.50.

DICTAMNUS Fraxinella rubra (Dittany; Burning-Bush; Gas-Plant). Perennial. Pinkish red flowers on terminal racemes are excellent for cutting. Pkt. 25 cts., ½oz. 75 cts., oz. \$2.50.

DIDISCUS cærulea (Queen Anne's Lace). Upright annual about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Easily grown and a splendid cut-flower. Sow in May. Pkt. 15 cts., ½oz. 75 cts., oz. \$2.50.

DIGITALIS (Foxglove). Perennial with long racemes of tubular flowers. Plant amid shrubbery, along the edges of woods, etc. Grows well in partial shade; June, July.

Giant Shirley, Mixed. Huge spikes; from pure white to dark rose. 6 ft.

Gloxiniæflora Type. Handsome, spotted gloxinia-like flowers. 4 ft.

Rosea. Rose. **Purpurea.** Purple

Alba. White. **Lutea.** Yellow.

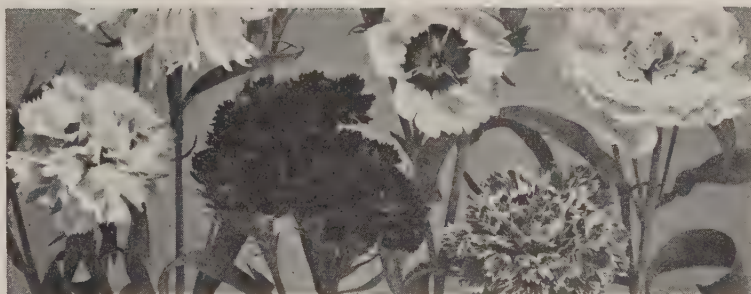
Gloxiniæflora, Mixed.

Above 6, each, pkt. 15 cts., ½oz. 60 cts., oz. \$2

DOLICHOS (Hyacinth Bean; Lablab). Annual. Rapid-growing climber. Sow outdoors where they are to remain. Blooms July to fall. **Mixed.** Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50.



Dimorphotheca, Double Hybrids, Mixed



Jewel-Like Dianthus • Pinks

Sow annuals in spring, hardy kinds in spring or summer. Annuals bloom in a few weeks, most hardy sorts flower same year.

Double Annual Pinks

Chinensis (China Pink). Double flowers in a mixture of colors. Pkt. 15c., ¼oz. 50c.

Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 20 cts., ¼oz. 75 cts.

Heddewigi fl.-pl. (Double Oriental Pink). Varies from richest crimson to delicate rose. Pkt. 15 cts., ¼oz. 50 cts.

Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., ¼oz. 60 cts.

Snowball. Large double white flowers. 1 ft. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

Violet Queen. Rich violet—rather unusual shade. Pkt. 20 cts., ¼oz. 75 cts.

Single Annual Pinks

Westwood Beauty. Won Honorable Mention in the All-America Seed Trials for 1946. Colors range from fiery crimson to a deep velvety red; some are a trifle lighter. 1 ft.

Heddensis, Finest Mixed. Most brilliant annual pink. Wonderful colors. 1 ft.

Laciniatus, Gaiety. A mixture. Wide range of colors. Large, fringed.

Above 3, each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

DIMORPHOTHECA

Cape Marigold; African Daisy

Bright annuals, with daisy-like flowers, which do especially well in full sun.

Double Hybrids, Mixed. More than half produce double flowers with some semi-double and single. Colors vary from salmon-orange to white, with many lemon and tan hues. Individual flowers average 1¾ inches across, with a 1-inch crested center. 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Aurantiaca Hybrids, Mixed. Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Aurantiaca. Bright golden orange flowers. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Salmon Beauty. Large flowers, pleasing salmon. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

DORONICUM caucasicum (Leopard's Bane). Perennial. Valuable for cut-bloom. Handsome, yellow, daisy-like flowers sometimes 3 inches across. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

DRACÆNA indivisa (Cordylone). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory decoration and for bedding. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

ECHINOCYSTIS lobata (Wild Cucumber Vine). Annual Climber. Bright green foliage with sprays of white flowers in July and August. Pkt. 10 cts., oz. 35 cts.

Hardy Garden Pinks

New Blue. Lavender-blue, in a bright, pleasing shade. The flowers are small, but are in 9-inch trusses from July to September. Pkt. 50 cts., 3 pkts. \$1.25.

Allwoodi. Combines the Carnation with the delicious clove scent of the Pink. Single Mixed. Pkt. 50 cts., 3 pkts. \$1.25.

Allwoodi Alpinus. Ideal for the rock-garden, blooming continuously; beautiful mixture. Fragrant. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.50, ¼oz. \$4.

Double Scotius, Mixed. New florists' variety. Mixed pink, rose, salmon and white. Pkt. 50 cts., ½oz. \$1, ¼oz. \$1.75.

Loveliness. Two-inch, perfumed, mauve, laced flowers. Blooms in seven months. Pkt. 50 cts., 3 pkts. \$1.25.

Rainbow Loveliness. This mixture has flowers in various delicate tones other than mauve, including pink, red, lilac, cream and white. Pkt. 75 cts.

Highland Hybrids, Mixed. Ideal for rock-gardens. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

Sweet Wivelsfield. If sown indoors in February, blooms same year. Fringed, sweet-william-like flowers July to frost. Mixed.

Single. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Double. Pkt. 25 cts., ¼oz. \$1.25, oz. \$4.

Deltoides, Brilliant (Maiden Pink; Spink). Rich rose-pink. For the rock-garden. 6 in. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

Knappi (Yellow Dianthus). Yellow blossoms in bunches; not fragrant. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Plumarius Varieties (Grass Pink). Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft.

Double Mixed. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

Single Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

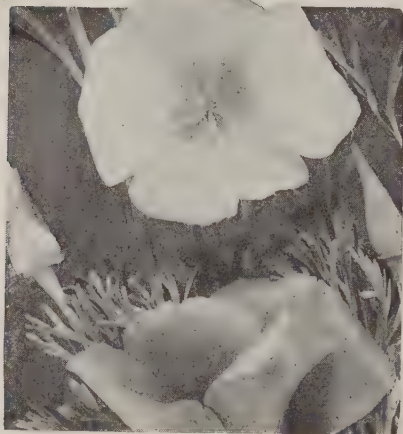
Rock-Garden Rare Species, Mixed. A selection of low-growing types. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

ECHINOPS Ritro (Globe Thistle). Perennial. Handsome, silvery, thistle-like foliage and blue flowers in round heads. 3 to 5 ft. Pkt. 15 cts., ¼oz. 50 cts.

ERIGERON (Midsummer Daisy; Fleabane). Perennial. Valuable border plant somewhat suggestive of the Michaelmas daisy.

Speciosus. Beautiful sky-blue flowers. Fine for cutting. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.

ERINUS alpinus. Dainty rock-garden plants, for crevices of stone walls, etc., and blooming in early spring. Pale purple. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.



Eschscholtzia

ESCHSCHOLTZIA

California Poppy

Easily grown annuals. Sow where intended to flower, in full sun, and thin to 1 foot apart.

Golden Glory. Double orange flowers, lightening at the edges to gold. 1 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Ramona Hybrids, Mixed. Ruffled flowers. 1 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

***Carmine King.** Carmine-rose. 15 in.

Fireflame. Vivid orange-scarlet.

***Geisha.** Golden orange inside, orange-scarlet outside. 15 in.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

***Scarlet Beauty.** Petals deep scarlet inside, lighter on outside. 10 in.

***White.** Unusual variety.

Choice Mixture. Covering all the colors in this pretty annual.

Above, each, pkt. 25 cts., 1/4oz. \$1, oz. \$3, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 43 (6 varieties in all), \$1.

EDELWEISS (*Leontopodium alpinum*; *Gnaphalium*). Perennial. Everlasting. Tufted creeping rock-garden plant with white woolly foliage. Sow early, keep moist. 6 to 12 in. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50, 1/2oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Curious plants with milky sap in the stem and leaves. Showy for border planting.

Variegata (Snow-on-the-Mountain). Annual. Foliage marked with white. 2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

FELICIA Bergeriana (Kingfisher Daisy; Blue Marguerite). Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are 3/4 inch in diameter. Grown outdoors in summer or under glass at other times of the year. 6 in. Pkt. 25 cts., 1/4oz. \$1.25.

FERN SPORES, Greenhouse Sorts. Sow in sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough. Pkt. 50 cts., 3 pkts. \$1.25.

GAILLARDIA • Blanket Flower

Flowers are brilliant and daisy-like, borne freely from July to November. Excellent for cut-bloom, also garden decoration.

Annual Varieties (2 ft.)

Aurea. Rich yellow.

Indian Chief. Bronze.

Pieta Lorenziana, Double, Mixed.

Above three, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Perennial Varieties

Sown early, they bloom the first year.

Burgundy. Brilliant coppery scarlet self. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Goblin. Yellow flowers; deep red zone. 15 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Giant Hybrids, Mixed. Immense flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Modern. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

FOUR O'CLOCK, Fine Mixed (Marvel of Peru). Annual. Red, yellow, or white flowers open in cloudy weather or after noon. 2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

FUCHSIA, Mixed. Greenhouse and Summer Bedding Plant. Sow indoors from January to March, and plant out in May. Striking mixture. Pkt. \$1.50, 3 pkts. \$4.

GENTIAN. Perennial. For the border; excellent pot-plant. Likes semi-shade with plenty of moisture. Sow in spring or summer. For blooms same season sow under glass in late winter and transplant. July-Sept.

Hascombensis. Flowers are about 1 1/2 inches across and are of various shades of blue. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

GERANIUM (*Pelargonium*), **Zonale.** Greenhouse and Bedding Plant. Interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

GERBERA, Jamesoni Hybrids (Transvaal Daisy). Greenhouse Perennial. Will stand outdoors if mulched over winter. Mixed pastel shades of red, cerise, salmon, orange, yellow and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (*Avens*). Perennial. Ideal for cutting. **Lady Stratheden.** Large; double; rich golden yellow. 1 1/2 ft. Pkt. 25 cts., 1/4oz. 75 cts., 1/2oz. \$1.25.

Mrs. Bradshaw. Large; double; brilliant orange-scarlet. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/2oz. \$1.

GILIA, Fairy Star. Annual. Feathery foliage and 1-inch flower-heads. Good cut-flower. 2 ft. Mixed pastel shades. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

GLOBE AMARANTH (*Gomphrena*). Annual. Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter. 1 1/2 ft. **Rose White Ruby Purple**

Above 4, each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Mixed Colors. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

GLOXINIA, Large-flowered. Greenhouse Plant. The ground-color of the large, trumpet flowers is a velvety purple-crimson with a rosy white throat. On the corolla appear violet bands and spots. 9 in. Pkt. \$1, 3 pkts. \$2.50.

GYPSOPHILA • Baby's-Breath

Annuals and Perennials. Misty white flower panicles largely used in bouquets.

Elegans grandiflora alba. Annual. Large-flowering, pure white form. 1 1/2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

Elegans grandiflora rosea. Annual. Pink form. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Muralis. Pink; 10 in. An annual sort which forms mounds of green, studded with little flowers all summer. Pkt. 25 cts., 1/4oz. 75 cts., 1/2oz. \$1.25, oz. \$4.

Paniculata. White. Hardy perennial sort that blooms first year if sown early. 3 1/2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Paniculata fl.-pl. Perennial. Double. 3 ft. White. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50, 1/4oz. \$2.50.

Pacifica. Perennial. Large pink flowers. Blooms later than *Paniculata*. 4 ft. Pkt. 35 cts., 1/2oz. 85 cts., 1/4oz. \$1.50.

Repens. Perennial. White. For rockwork. 6 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Repens rosea. Pink. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

CODETIA. Annual. Showy flowers in leafy racemes; splendid for bedding; also as a pot-plant for winter decoration.

Kelveden Glory. The color is deep glowing salmon-orange. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Sybil Sherwood. Salmon-pink. Forcutting. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Azalea-flowered (Carmine). Double pink flowers, marked darker. 30 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Tall Double, Mixed. Average height 2 feet. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

GOURDS. Annual Climbers. For arbors, trellises, fencing. Fruits strangely shaped, quaintly marked and colored; inedible.

LARGE FRUITS SMALL FRUITS

Calabash Pipe	Apple
Caveman's Club	Miniature Bottle
Dipper	White Egg
Dish-Cloth (Luffa)	Orange
Giant Bottle	Spoon
Hercules' Club	Pear. Striped yellow and green.

Each, pkt. 15 cts., oz. 60 cts., 1/4lb. \$1.75

COLLECTION: Pkt. each, above 12, \$1.50

Mixed Gourds. All sorts. Pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50.



Gaillardia
The Dazzler

WE OFFER A COLLECTION

of twelve packets of seed of **HARDY PERENNIALS** that are specially suitable for cutting and for decoration of the home. Price \$2.

HELIANTHUS • Sunflower

Annuals, majestic and striking. Daisy-like blooms, the single types mostly with a large brown center disc; prized for cutting. Sow in the sun.

Sun God. Improved Double Sunflower. Splendid 5-foot plants, surmounted by perfect golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Cut-and-Come-Again, Mixed. A mixture of tall, large-flowering types. 5 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Gigantic Russian. Large old-time Sunflowers. 9 ft. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts.

Tall Red, Gaillardia-flowered. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 6 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

HELENIUM (Sneezewort). *Perennial*. Blooms very freely in late summer.

Riverton Gem. Wallflower-red. 2 ft. Pkt. 25 cts., 5 pkts. $\frac{1}{1}$, $\frac{1}{2}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

HELIANTHEMUM (Dwarf Sun Rose). *Perennial*. Beautiful subjects for the rock garden. 1 ft.

Mutabile Mixed. Colors include yellow, red, white and pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HELICHRYSUM (Straw Flower). *Annual*. Everlasting. Bright-colored chaffy double blooms make a fine display in the garden. Allow $\frac{1}{2}$ feet between plants. $2\frac{1}{2}$ ft. high.

Rose Queen **Salmon Queen**
Golden Ball **Violet Queen**
Snowball **Fireball**

Each, pkt. 20 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 6 colors, \$1.
Mixed Colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). *Perennial*. Orange-yellow sunflower-like flowers from June to September. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

FRAGRANT HELIOTROPE. *Perfumed Greenhouse or Bedding Plant*. Splendid outdoors or it can be trained as a greenhouse climber. Seed started indoors in spring will make fine plants for summer blooming. Can be sown outdoors in May. About 2 ft.

Lemoine's Giant, Mixed. Flower-heads double the size of the old sorts. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

HESPERIS (Sweet Rocket; Dame's Violet). *Perennial*. Large clumps 2 to 3 feet high, covered with showy spikes of flowers resembling stocks. Splendid for cut-blooms.

Matronalis, Red **Matronalis, White**
Above 2, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 60 cts.

HEUCHERA (Alum Root; Coral Bell). *Perennial*. Bushy plants of easy culture, growing $1\frac{1}{2}$ to 2 feet high, and bearing graceful spikes of tiny flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{16}$ oz. \$3.50.

HIBISCUS, Giant-flowering Type (Marshmallow). *Perennial*. Showy plants for beds or borders. Will bloom first year. Trumpet flowers are 6 inches across, with dark centers. 5 ft.

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

HOLLYHOCK

Perennial. Popular hardy garden plants. Their beautiful colors and fine appearance render them indispensable for the herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully frilled or deeply dentate, and their colors are charming. A fine mixture. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Haile Sessie. The large semi-double flowers are so deep a maroon that they seem to be black, accented by the yellow stamens. Pkt. 35 cts., 3 pkts. \$1.

Chater's Superb Double

Deep Rose	Scarlet
Newport Pink	Sulphur-Yellow
Pure White	Superb Mixed
Salmon-Rose	

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

S. & W. Co.'s Superb Single. Mixed colors, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Annual Hollyhock, Indian Spring. Produces its flower-spikes twenty weeks after sowing. Semi-double and double fringed flowers in several shades of pink. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HONESTY (Moonwort; Satinpod). *Biennial*. Everlasting. Purple flowers followed by round silvery parchment-like seed-pouches, used for house ornament. Sow in May and protect over winter. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

HUMULUS (Ornamental Hop). *Annual Climber*. Grows 20 to 30 feet in four months. One of the best plants for covering verandas, trellises, etc.

Japonicus. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). *Annual*.

Sunlite. Develops a band of short petals on the outside of the bud. Canary-yellow. 2 ft. Sow in the open ground May 1 or earlier under glass in pots, transplant when danger of frost is over. A sunny position suits it. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

IMPATIENS (Touch-Me-Not; Snapweed). *Greenhouse and Bedding Plant*. Profuse and continuous bloomer; semi-succulent. Sensitive to frost. Average height $1\frac{1}{2}$ ft.

Sultani. Brilliant carmine, $1\frac{1}{2}$ -inch flowers.

Sultani Hybrids. Brilliant colors—carmine, pink, near white.

Holsti. Dazzling scarlet blooms.

Holsti Hybrids, Mixed. Orange, scarlet, red, pink, and white flowers that are very decorative and measure $1\frac{1}{4}$ to $1\frac{1}{2}$ inches.

Above 4, each, pkt. 35 cts., 3 pkts. \$1

INCARVILLEA Delavayi. *Perennial*. Striking plant with large leaves. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug. $2\frac{1}{2}$ ft. Pkt. 25 cts., 5 pkts. \$1.

IRISH BELLFLOWER. *Annual*. Numerous bell-shaped green and white flowers. 2 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

IPOMOEA

Convolvulus; Morning-Glory

Annuals, mostly climbers. Excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open in a sunny situation when the weather has warmed.

Scarlett O'Hara. Flowers $3\frac{1}{2}$ inches in diameter. They remain open from sunrise well past noon—hence *Morning-Glory*. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

Pearly Gates. A true giant, with 4-inch diameter blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

Heavenly Blue. Flowers 4 inches across. Improved, early-flowering strain. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

COLLECTION: 1 pkt. each above 3 Morning-Glories, 50 cts.

Crimson Rambler. Striking; brilliant; large flowers. Pkt. 25 cts.

Mixed Imperial (Emperor Morning-Glory). Flowers are of large size and their colorings varied and beautiful. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.

Rose Marie. Rose-pink, mostly double flowers. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with large, white, fragrant flowers. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

KALANCHOE, Tom Thumb. Succulent plant with scarlet flowers. Sown in winter, grown outdoors in summer, it blooms a year after sowing. Popular with the commercial florist. Pkt. \$2.50, $\frac{1}{4}$ oz. \$6.50.

KOCHIA Childsi (Summer Cypress; Mexican Firebush). *Annual*. $2\frac{1}{2}$ ft. Pyramidal bush with feathery, light green foliage, changing to crimson in September. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

LANTANA, Mixed. *Greenhouse and Summer Bedding Plant*. The flowers are borne in verberna-like heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber*. The flowers are borne in clusters. Climbs over rocks and fences. Splendid cut-flower. 6 to 8 ft.

White **Pink Beauty** **Red** **Mixed**
Each, pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25

LAVATERA splendens rosea (Mallow). *Annual*. Beautiful plant, covered with large, cup-shaped, pink flowers. 2 ft.

Splendens alba. White form of the above. Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

LAVENDER, Munstead Strain. *Perennial*. Best type of this fragrant plant. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



Gourds. (See page 42.)



Larkspur, Exquisite Pink Improved

LARKSPUR

Annuals with spurred flowers. Sow in the open in April to produce flowers by July. Sow in September or November also. They make handsome beds and are very effective among shrubs.

Giant Imperial Sorts

Plants of giant proportions with the habit of the delphinium. Height up to 5 ft.

***Blue Spire.** Double Oxford-blue flowers.

***Dazzler.** Vivid, lustrous carmine. Blooms ten days earlier than most.

***Exquisite Pink Improved.** The shade of pink meets exactly the florists' needs.

Gloria Improved. A rich tone of deep rose, with no trace of carmine.

Lilac King. Clear lilac—rich shade that is welcomed by every gardener. 4 ft.

Pink King. Soft, yet lively, salmon-rose. 5½ ft.

***Sweet Lavender.** Good rich lavender-blue.

***White King.** The finest white variety.

Mixed Giant Imperial Larkspurs.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

COLLECTION: 5 varieties marked (*), 60 cts.

Rainbow Mixture. A special and splendid assortment of brilliant colors. Pkt. 25 cts.

LEPTOSYNE, Golden Rosette. Annual.

Double, daisy-like blooms are bright yellow. 1½ ft. Sow in the open and allow the plants to stand 1 foot apart; or sow earlier under glass and transplant. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

LINUM grandiflorum rubrum. Annual.

1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Perenne (Flax). Perennial. Bright blue. 1½ ft. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Flavum (Golden Flax). Perennial. Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

Heavenly Blue. Perennial. Glowing ultramarine-blue flowers. June-Aug. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

LOBELIA

Sow in spring, and thin or plant 5 inches apart. Annuals for edging or bedding.

Annual Varieties

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Emperor William. Compact; sky-blue flowers. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Pendula, Sapphire. Deep blue; white eye. Trailing; ideal for window-boxes. Pkt. 20 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Perennial Variety

Cardinalis, Queen Victoria (Cardinal Flower). Scarlet blooms; dark red foliage. Needs a moist, shaded place. 3 ft. Pkt. 35 cts., 3 pkts. \$1.

LILIES FROM SEED

Most will produce flowers the second year from seed; treat them as other perennials.

Candidum. Salonika variety.

Longiflorum, White Queen (Easter Lily).

Tenuifolium (Coral Lily). Brilliant coral-red.

Above 3, each, pkt. 75 cts., 3 pkts. \$2

Philippinense formosanum (Hardy Easter Lily). See page 62. Seed is specially selected. Fragrant, pure white blooms in 6 to 8 months from sowing.

Pkt. 35 cts., ¼oz. \$1, ¼oz. \$1.50

Regale (The Royal Lily). Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.30.

LIATRIS pycnostachya (Blazing Star; Gayfeather; Snakeroot). Perennial. Purple flowers on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., ¼oz. 85 cts., oz. \$3.

LINARIA, Fairy Bouquet (Toadflax). Annual. Splendid mixture. The compact plants bear large flowers in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Cymbalaria (Kenilworth Ivy; Mother of Thousands; Creeping Sailor). Perennial. Climber. Lavender and purple. Charming, hardy trailer, suitable for pots or rockeries. 3 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.75.



Linum perenne



Lupinus polyphyllus

LUPINUS • Lupine

For beds, cut-flowers or greenhouse growing. Annuals may be sown outside in May; thin to 1 foot.

ANNUAL LUPINES. Plants branch at the base, forming a handsome candelabra, with six to eight huge spikes to a plant. 3 ft.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Heliotrope. A beautiful tint.

King Light Blue. Large sky-blue flowers.

King White. Big, pure white flowers.

Each, pkt. 25 cts., ½oz. 85 cts., oz. \$1.50

King Mixed. Contains the above colors and others in addition like sky-blue and mid-blue. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.

PERENNIAL POLYPHYLLUS LUPINES. Sow in summer to bloom June to September the following year. Partly shaded, rich soil, free from lime, is advised. A 5-foot-high robust and meritorious strain in which are many new colors.

Pink Shades White Blue Shades Red Shades Mixed Hybrids Golden Spire. Rich golden yellow.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

Russell Lupines. Reselected Strain. Color combinations that are novel; the size of the florets and the length of the spike are sensational. Vary in height from 15 inches to 5 feet. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

LYCHNIS (Catchfly; Campion). Perennial. Easily grown plants for massing in beds or borders, blooming first year from seed.

Viscaria splendens. Bright rose-pink; foliage green well into winter. 1½ ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Haageana. Striking orange-scarlet blooms. 1½ ft. Pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Chalcedonica (Maltese Cross). Scarlet. 2 ft. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

MALOPE grandiflora, Giant Crimson. Annual. Large hibiscus-like flowers. 2½ ft. Sow in early spring in the open. Transplant or thin to stand 18 inches apart. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

MATHIOLA bicornis (Evening-scented Stock). Annual. Flowers dull purplish lilac; grown for their intense fragrance. 1 ft. Pkt. 15 cts., ¼oz. 30 cts., oz. \$1.

MATRICARIA. Half-hardy Perennials, treated as Annuals.

S. & W. Co.'s Double White (Feverfew). Excellent for cutting or bedding. 15 in. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.



Marigold, Crown of Gold



Marigold, Butterball

AFRICAN MARIGOLDS

Very easy to grow. Push groups of three seeds just under the surface at intervals of 1 foot or more, after frost has gone in spring; thin to one plant from each group. Or sow indoors in March; plant out in May.

Tall Double. 2½ ft.

Husky plants, quick to grow and smothered with mammoth tightly double blooms.

Alldouble Lemon **Alldouble Orange**
Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50
Mixed Alldouble. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Collarette. 2½ ft.

Centers of the 2½-inch blooms are short, quilled florets, surrounded by flat ones. Foliage practically odorless.

Crown of Gold. Bright golden orange.
Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Gigantea. 3 ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type.

Orange Sunset. Fine deep orange. Pkt. 20 cts., ¼oz. 50 cts., ½oz. 75 cts., oz. \$2.50.
Sunset Giants. Rich mixture. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.

Pot O'Gold. Fragrant. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double. Pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50.

Golden Bedder. Golden orange flowers have an outer row of guard florets surrounding a fully double crest. Quick-blooming. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

Peony-flowered. 2½ ft.

Immense bomb-shaped blooms.
Golden Supreme. Glowing gold.
Orange Supreme. Intense orange.
Each, pkt. 25 cts., ¼oz. 60 cts., ½oz. \$1

Dwarf Double. 12-15 in.

Good for edging a border or a bed containing other Marigolds.

Little Giants, Mixed. Pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1.

Chrysanthemum-flowered. 2-3 ft.

Florets are curved like a chrysanthemum.

Mammoth Mum. Growing 3 feet, bears on long stems the largest flowers yet seen—4 inches across and lemon-yellow. High award in annual tests for 1944 of the All-America Seed Selections examining novelties. Pkt. 25 cts., ¼oz. \$1, ½oz. \$1.50.

Early Sunshine. Bright yellow.

Golden Glow. Golden yellow. Odorless.

Limelight. Light primrose-yellow.

Each, except where noted, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Mission Giant Type

Goldsmith. Bushes are literally covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. 4 ft.

Yellowstone. Flowers are 3 inches in diameter, incurved, quilled, and highly attractive. Clear golden yellow. 4 ft.

Each, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Carnation-flowered. 1-2½ ft.

The florets are wide and waved.

● **Yellow Supreme.** Lemon-yellow. 2½ ft.
● **Guinea Gold.** Golden orange. 2½ ft.
Dwarf Guinea Gold. Smaller plant. 1 ft.

Each, pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50

Winter-flowering Marigolds

Sawco Strain. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

FRENCH MARIGOLDS

Scabious-flowered

Flowers have a pincushion-like, cone-shaped center, surrounded by a few flattened petals. Splendid for cut-flower purposes, and very decorative in the garden.

Sunkist. Neat, low-growing plant starts to bear double orange-colored blooms early, and is a blaze of flowers until frost. Pkt. 25 cts., ¼oz. 50 cts., ½oz. 75 cts.

Butterball. Flowers 1½ in. across, canary-yellow, so bright that they seem to glow with their own light. Butterball is a yellow counterpart of Sunkist (above). 9 in. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Harmony. Orange crest with maroon-brown collar of broad florets. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Harmony Hybrids. Double blooms average 1¼ inches across and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. 12 to 14 in. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Melody. Remarkable for the earliness with which it starts to bloom. The golden yellow flowers are 1½ inches in diameter. 1 ft.

Scarlet Glow. Bushy, foot-high sort, with fiery red flowers 2 inches across.

● **Spry.** Only 9 inches high. Covered with double flowers, each having a crested center of light yellow, surrounded by flat outer florets of maroon.

Each, pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50

Dwarf Doubles

Royal Scot Alldouble. Rich mahogany and gold in uniform stripes. 1 ft.

Yellow Pygmy. Blooms less than an inch across, light lemon-yellow. 9 in.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Robert Beist. Dark brownish maroon. 1 ft.

Golden Ball. Double yellow. 1 ft.

Lemon Ball. Lemon-yellow. 1 ft.

Mahogany. Velvety mahogany-brown. 1 ft.
Mixed. Contains all colors.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Dwarf Singles

RED HEAD. Bronze Medal, All-America Seed Trials for 1948. The flower opens mahogany-red, when the variety is the reddest of all Marigolds. As the flower ages, it gradually changes to bronzy gold. Blooms are 2 inches across, while the bushy plants are 12 to 15 inches tall, uniform and a handsome bronze-green. Splendid edging or bedding subject. Pkt. 25 cts., ¼oz. \$1, ½oz. \$1.50.

NAUGHTY MARIETTA. Hon. Mention, All-America Seed Trials for 1947. Mound-like plants covered with 2½-inch, bright gold flowers. Each floret is blotched and striped with red. Plants are 1 foot high. Pkt. 25 cts., ¼oz. \$1.50, ½oz. \$2.50.

FLASH. Most blooms have a tangerine base, overlaid rich red, but others range from vivid red through bronze to yellow. Flowers 1¾ inches across. 18 in. Pkt. 20 cts., ¼oz. 60 cts., oz. \$2.

Legion of Honor (Little Brownie). Golden yellow, crimson blotch. 9 in. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Collection of Marigolds

For a splendid yellow, orange, and red flower-bed.

Three varieties marked ●: **GUINEA GOLD, YELLOW SUPREME, SPRY.** 3 pkts., one of each, 50 cts., ¼oz. each \$1.25, oz. each \$4.



Mignonette, Red Monarch

MIGNONETTE • *Reseda*

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

Red Monarch. The deepest red Mignonette. The flower-spikes are thick and heavy. Very sweet-scented. Recommended as an outdoor garden plant and fine for under glass. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger. 15 in. Pkt. 25 cts., 1/2 oz. 60 cts., 1/4 oz. \$1.

Allen's Defiance. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size. 1 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Machet. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. 10 in. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

MESEMBRYANTHEMUM crystallinum (Ice Plant). **Annual.** Dwarf, trailing plants with pink flowers and glistening foliage. 8 in. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Criniflorum, Mixed. **Annual.** Many attractive colors. Spreading plant. 3 in. Pkt. 25 cts., 1/2 oz. 60 cts., 1/4 oz. \$1, oz. \$3.



Nemesis

MYOSOTIS • *Forget-me-not*

Perennial. Needs slight cover over winter. Sow spring or summer. Alpestris sorts bloom in April; Palustris, May to fall.

Alpestris (sylvatica) Varieties

Royal Blue. Rich dark indigo-blue flowers. 12 in. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

Oblongata, Blue Bird. Deep, true blue. Pkt. 25 cts., 1/2 oz. 75 cts., 1/4 oz. \$1.25.

Victoria, Blue. 8 in. Clear indigo-blue. Bushy. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.75, oz. \$6.

Palustris Varieties

Semperflorens (Everblooming Forget-me-not). Large, clear blue flowers. 1 1/2 ft. Pkt. 25 cts., 1/4 oz. 85 cts., oz. \$3.

Ruth Fischer. Blue blooms 1/2 inch in diameter. For pot-culture and bedding. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.



Myosotis, Royal Blue

MIMOSA pudica (Sensitive Plant). **Greenhouse and Bedding Plant.** 2 ft. Leaves close when touched. Small lavender flowers. Pkt. 20 cts., 1/4 oz. 60 cts., oz. \$2.

MIMULUS moschatus (Musk Plant). **Annual.** Beautiful trailing plant. Likes damp, shady situations. Musk-scented. 1 ft. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.75.

NEMESIA. **Annual.** Flowers are short tubes with broad, flattened lips. Brilliant bedding plants. We offer a large-flowered mixture. 12 in. Pkt. 25 cts., 1/2 oz. \$1.50.

NEMOPHILA insignis, Blue (Baby Blue-Eyes). **Annual.** Bright sky-blue flowers. 6 in. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

NEPETA Mussini (Ground Ivy). **Perennial.** Branching plant with clusters of blue flowers open in May and June. 1 1/2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

NIEREMBERGIA, Purple Robe (Cup-flower). **Perennial; treated as an Annual.** Sow in early spring indoors, and transplant in May. Mat-like edging plant, covered with deep violet-blue flowers, 1 1/4 inches across. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

EVERLASTINGS: Flowers to be gathered in bud, hung for two months in paper-wrapped bunches to dry, and make colorful winter decorations, include, *Statice sinuata*. Others are *Acroclonium*, *Celosia plumosa*, *Catananche*, *Echinops*, *Edelweiss*, *Globe Amaranth*, *Helichrysum*, *Honesty*, *Lavender*, *Physalis* and *Ornamental Grasses*.



Nasturtium, Dwarf or Globe

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a sunny position; within a few weeks from the time they are sown until hard frost comes, there is a profusion of gorgeous blossoms.

Dwarf or Globe Types Sweet-scented

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Mahogany Globe **Scarlet Globe**
Ruby Globe **Orange Globe**
Golden Globe **Dwarf Globe Mixture**

Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5
COLLECTION: Pkt. each, above 5 colors, 60c.

Semi-Dwarf or Glean Types Sweet-scented

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden or window-boxes and for cut-beds.

Salmon Glean **Scarlet Glean**
Mahogany Glean **Orange Glean**
Moon Glean (golden cream)
Golden Glean **Glorious Glean Mixture**

Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5
COLLECTION: Pkt. each, above 6 colors, 75c.

Tom Thumb or Bedding (Single)

Large-flowered, Dwarf, Mixed. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5.

Tall or Climbing (Single) 6 to 10 ft.

Large-flowered, Tall, Mixed. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5.



Nepeta Mussini



Nicotiana affinis

NICOTIANA • Scented Tobacco

Easily grown annuals with broad leaves and spikes of fragrant trumpet-flowers.

Affinis. Fragrant white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Affinis Hybrids, Mixed. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Crimson Bedder. Compact. Deep hue. 20 in. Pkt. 10 cts., 1/4 oz. 50 cts., 1/4 oz. 75 cts.

Miniature White. Small-flowered; delightfully scented. Good for bedding and pots. 1 1/4 ft. Pkt. 50 cts., 3 pkts. \$1.25, 1/16 oz. \$2.

NIGELLA (Love-in-a-Mist; Fennel Flower).

An easily grown annual with cup-shaped flowers partly hidden by lace-like foliage.

Miss Jekyll. Sky-blue blossoms. Double. 2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

NOLANA, Blue Ensign (Chilean Bell-flower). 1 ft. Annual for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Pkt. 35 cts., 1/8 oz. \$1.50, 1/4 oz. \$2.50.



Nigella, Miss Jekyll

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

Sow in April and again in July and August in a light, cool, but well-moistened soil, enriched with General Garden Fertilizer. Cover them three times their diameter, and firm the soil. Seed-bed should not be allowed to dry out. Transplant to 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they flower a month later.

SUPER-PASTORAL GIANTS. This superb strain of giant fancy Pansies is the culmination of years of scientific culture. A vigorous root-system enables it to bloom well into hot weather. Flowers are round, of immense size, firm texture with strong stems.

Emperor William Blue

Light Lavender

Pure Golden Yellow

Snow-White

Super-Pastoral Giants, Mixed

Each, pkt. \$1, 1/4 oz. \$3.50, 1/8 oz. \$6, 1/4 oz. \$10, oz. \$35

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Pure Golden Yellow.

Pure Snow-white.

Lavender (light).

Emperor William Blue (dark).

Fancy Red Shades.

Bronze Shades.

Yellow, Dark Eye.

Pastoral Giants Mixed.

Each, pkt. 50 cts., 1/4 oz. \$2, 1/8 oz. \$3.50, 1/4 oz. \$6, oz. \$20

SAWCO EXHIBITION STRAIN. Includes the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every color combination is included. Pkt. 50 cts., 1/8 oz. \$2.50, 1/4 oz. \$4, oz. \$15.

SWISS GIANT, MIXED. Large blooms and their shape is good; among them are many unusual shades. They stand warm weather well. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$2, 1/8 oz. \$3.50, oz. \$12.

NON PLUS ULTRA, MIXED. For the gardener who desires his beds of good quality and with every color. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$2, 1/4 oz. \$3, oz. \$10.

MIXED BEDDING PANSIES. All colors. Pkt. 15 cts., 1/8 oz. \$1, 1/4 oz. \$1.50, oz. \$5.

GENOTHERA (Evening Primrose). Perennial. Its flowers open in the afternoon.

Clutei. Soft creamy yellow. 4 ft. Pkt. 20 cts., 1/4 oz. 60 cts., oz. \$2.

PASSIFLORA cærulea (Passion Flower). Perennial. Handsome rapid climber for the greenhouse or sunny positions in the open. Large violet-blue flowers. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50, oz. \$5.

PHACELIA campanularia (California Bluebell). Annual. Covered with blue flowers all summer. Charming edging plant. 1 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

PHYSALIS Francheti (Chinese Lantern). Perennial. Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. 2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

BABY DELIGHT. Beautiful waved blooms are light blue. They appear in ten weeks from seed. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$1.50, 1/4 oz. \$2.50.

CORONATION GOLD. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$3.50.

Giant Greenhouse Pansies

SAWCO STUPENDOUS. Remarkable strain of gigantic proportions for indoor culture, offered exclusively by us. The plants grow 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4 1/2 inches across and in a complete color-range. For the professional gardener and producing florist. May be grown in the open, also, but with winter protection. Pkt. \$2, 3 pkts. \$5.



Pansies

PENTSTEMON (Beard Tongue). Treat as an Annual. Attractive perennial producing sprays of bright-colored tubular flowers. Good bedding plant. Give it the same culture as Salvia, sowing seed in March, and it will be effective same summer.

Sensation. Wide color-range including rose, red, carmine, cherry, lilac, purple, etc. 2 ft. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

PHYSOSTEGIA, Summer Snow (False Dragonhead). Perennial. Bears spikes of pure white, tubular flowers. 4 ft. Pkt. 35 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

PLATYCODON (Balloon Flower; Oriental Bellflower). Perennial. Beautiful plants with showy bell-shaped flowers. Bloom the second year from seed.

Grandiflorum. Steel-blue; 2 1/2 ft. Pkt. 25 cts.

Grandiflorum Mariesi. Compact plant with large flowers. Mixture includes purple-blue, mid-blue, pale blue, lavender, and white. 1 ft. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

Brilliant Petunias

Petunias are ideal for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or

June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

First two groups are Giant varieties, mostly 15 inches tall; 3 to 4-inch flowers

Giant Single Fringed

Pride of Portland. Beautiful rose-pink.
Scarlet Beauty. Brilliant scarlet.
Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.
Violacea. Velvety violet-blue.
White Beauty. Clear, crisp white.

Single Fringed, Mixed (Fluffy Ruffles). Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 5 colors, \$1

Dainty Lady. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.

Glamour. Single, frilled flowers, over 5 inches across. Rosy salmon, and the cream throat is marked with brown veins. Early. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Single Plain-edged

Elk's Pride. Large; very dark purple.
Dwarf Pink Glory. Deep rose flowers.
Purple Prince. Velvety purple-violet.
White Cloud. Large, pure white flowers.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85 cts.

Dwarf Elk's Pride. Shorter by 3 inches, it is a splendid edging variety. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

Burgundy. Beautiful mixture of purple and carmine; each flower with white throat and violet lines. Pkt. 50 cts., 3 pkts. \$1.25.

Snowstorm Improved. Glistening white; yellow suffusion in throat. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.50.

All-Double Petunias

Dwight D. Eisenhower. Silver Medal, All-America Seed Trials, 1947. The first all-double salmon-pink. Flowers are 2½ inches across, covering the 16-inch, bushy plants. For cutting and for bedding. Pkt. \$2.

Rose Marie. Bronze Medal, All-America Seed Trials, 1947. Flowers are 3 inches across. Bushy plants 18 inches high. Delightful rose-pink. For room decoration and for garden display. All-double. Pkt. \$1.50.

Colossal Shades of Rose. Silver Medal, All-America Seed Trials, 1946. All-double flowers measure up to 5½ inches; a mixture of pinks. Plants have heavy stems and luxuriant foliage. 1½ ft. Pkt. \$1.

America All-double. Shapely foot-high plants covered all summer with mauve-pink flowers that look like carnations, 3½ inches across. Silver Medal, All-America Seed Trials, 1943. Pkt. 75 cts., 3 pkts. \$2.

Dwarf Giant Fringed

New Pan-American types; dwarf plants, but giant fringed all-double flowers.

Sonata. Pure white.
Caprice. Beautiful rose-pink.
Allegro. Charming salmon-pink.
Nocturne. Purple.
Minuet. Orchid-pink.
Mixed Colors.

Above, each, pkt. \$1.50

Double Fringed Mixed. (California-grown seed.) Produces double, semi-double, and a few single flowers. Large, fringed. Wide color-range. Pkt. 60 cts., 3 pkts. \$1.50.

Miniature Types

Ball-shaped plants 6 to 8 inches high are covered with flowers 2 inches in diameter, deeply lobed and broad-pointed.

Rose Gem Violet Gem Mixed Gems

Each, pkt. 35 cts., 3 pkts. \$1, ½ oz. \$2
½ oz. \$3.50

Ruffled Petunias

Copper-Red. Unusual color; the large wide throat is a darker red. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Giants of California. Large flowers with yellow throats, heavily marked and veined. Compact and vigorous. Mixed colors. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75.

Little Giants, Mixed. Ruffled Nana Compacta type. Flowers 4 inches across, frilled and ruffled. All colors from white, through pink to red. Compact plants. 10 in. Pkt. 50 cts., 3 pkts. \$1.25.

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Velvety violet-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 25 cts., ½ oz. \$1.50, ¼ oz. \$2.50

COLLECTION: Pkt. each, above 5 colors, \$1

Balcony, Mixed. All colors. Pkt. 20 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Novelty Petunias

Pink Sensation. Wonderful new pink. All-America Prize Winner for 1948. Flowers are 3-3½ inches across. Abundant bloom all season on a vigorous mound of foliage. 2 ft. tall and 4 ft. through. Pkt. 50 cts., 3 pkts. \$1.25.

Peach Red. Two-inch single salmon-cerise flowers are plain edged. Honorable Mention, All-America Seed Trials for 1946. 15 in. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$2.50, ¼ oz. \$4.



Petunia, America All-double

Single Bedding (*P. hybrida*; 1½ ft.)

Igloo. Startling and beautiful new cream-white. 1½-inch flowers with yellowish throats. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$2.

Radiance. Flowers are from 2½ to 3 inches in diameter and a brilliant rich rose or cerise, with a salmon undertone. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.25, ¼ oz. \$2.

Blue Bedder. Rich, royal blue. Effective when planted in beds. Also as a pot-plant. Pkt. 15 cts., ½ oz. \$1, oz. \$3.50.

Flaming Velvet. Flowers are a brilliant velvety scarlet. Outstanding in every way. Pkt. 25 cts., ½ oz. \$1.25, ¼ oz. \$2.

General Dodds. Velvety dark red or garnet. Pkt. 20 cts., ½ oz. \$1, oz. \$3.50.

Rose King Improved. Flowers large, brilliant rose-pink. Pkt. 20 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Topaz Queen. Light cerise-red or topaz-rose; fragrant. 1½ ft. Pkt. 20 cts., ½ oz. \$1, ¼ oz. \$1.75.

Bedding, Mixed. Highly decorative. Pkt. 15 cts., ½ oz. 60 cts., ¼ oz. \$1, oz. \$3.50.

Dwarf Bedding (*P. compacta*; 9-12 in.)

Bright Eyes. Winner of the Bronze Medal, All-America Seed Trials for 1946. Flowers are single, rose-pink with a white throat; they are small, but the stocky 10-inch plants are covered with them. Similar to Rosy Morn, but better in every way. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.75, ¼ oz. \$3.

Cheerful. Dwarf, compact type, covered all season with large light salmon-pink blooms 2 inches across. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$2, ¼ oz. \$3.50.

English Violet. Mauve or purple-violet; invaluable for opening up novel color combinations in flower-bed planting. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$2, ¼ oz. \$3.50.

First Lady. Blooms are 2½ inches across and light blush-pink. Compact and uniform. Pkt. 50 cts., 3 pkts. \$1.25.

Celestial Rose. Deep satiny rose with a white throat. Shapely and compact. Pkt. 25 cts., ½ oz. \$1.25, ¼ oz. \$2.

Cream Star. Moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. 15 in. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

Glow. Plant is covered with medium-sized, rose-red flowers with lighter throat. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.25, ¼ oz. \$2.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 20 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Rosy Morn. Carmine-pink; white throat. Pkt. 20 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Salmon Supreme. Light coral-salmon blooms, about 2 inches in diameter. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

Velvet Ball. Compact and free-flowering. Flowers 2½ inches in diameter; a deep velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.

Violet-Blue. Rich violet within and bright blue without. Compact and covered with flowers all summer. 9 to 12 in. Pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Compacta, Mixed. Brilliant colorings. Pkt. 15 cts., ½ oz. 60 cts., ¼ oz. \$1, oz. \$3.50.



Phlox, Salmon Glory

The Annual Phlox

Brilliant free-flowering bedding plants. Sow outdoors in May, or earlier indoors.

Drummondii Gigantea

Flowers are very large.

Red Glory. Clusters of brilliant light crimson flowers, each with a cream-white eye and 1 1/4 inches across. 1 1/2 ft.

Rosy Morn. Each floret is as large as a fifty-cent piece and is brilliant rose in color, with a white center. 1 ft.

Salmon Glory. Large salmon-pink flowers, each with a cream-white eye. 10 in.

Gigantea, Art Shades. Flowers 1 1/2 inches across and in soft pastel colors. 9 in.

Each, pkt. 35 cts., 1/2oz. \$1.25, 1/4oz. \$2

Large-flowering Tall

Plants are about 15 inches tall.

Chamois-Rose. Shell-pink.

Purple **Scarlet** **White** **Yellow**
Tall Mixed

Each, pkt. 20 cts., 1/2oz. 60 cts., 1/4oz. \$1
COLLECTION: Pkt. each 5 colors, 75 cts.

Large-flowering Dwarf

Plants are about 6 inches high.

Apricot **Yellow** **Scarlet** **Purple**
Chamois-Rose. Shell-pink. **White**
Dwarf Mixed.

Each, pkt. 20 cts., 1/2oz. 75 cts., 1/4oz. \$1.25
COLLECTION: Pkt. each 6 colors, \$1

Hardy Phlox

Large-flowering hybrids, tall mixed. *Perennial*. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

ANNUAL POPPIES

Sow in spring, thin to 6 inches; again in fall for next year. They do not transplant.

American Legion. (Single Shirley Type.) Enormous orange-scarlet flowers. 2 3/4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Sweet Brier. Large double fluted blossoms that are a striking deep rose-pink. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Single Shirley, Mixed. Beautiful; graceful. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Double Shirley, Mixed. Charming new type. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

PERENNIAL POPPIES

ORIENTAL (*Papaver orientale*). *Hardy Perennials*. Enormous, brilliant flowers. Sow in spring. Plants disappear in July, reappear in fall, at which time transplant to their permanent quarters.

Princess Victoria. Salmon flowers.

Oriflamme. Gorgeous orange-scarlet.

Scarlet.

Above 3, each, pkt. 35 cts., 1/2oz. \$1, 1/4oz. \$1.75

Finest Mixed. Pkt. 20 cts., 1/2oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

ICELAND (*Papaver nudicaule*). Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, from which issue slender flower-stalks about 1 foot high.

The Emperor. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. 1 1/2 feet high.

The Empress. Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double.

Yellow Wonder. New variety 3 feet high. Enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow.

Above 3, each, pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Sanford's Giant Strain, Mixed. Very long stout stems bearing large flowers make this kind invaluable. All colors.

Above 2, each, pkt. 25 cts., 1/2oz. 60 cts., 1/4oz. \$1

Iceland Poppies, Single Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

TIBETAN POPPIES (*Meconopsis Baileyi*). A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

PORTULACA (Sun-Plant). *Annual*. Ground-hugging 6-inch plants with narrow, fleshy leaves and 1-inch flowers which open only in fine weather. Brightly colored. Of easy culture in a sunny situation. Fine for beds, edgings on rockwork or broadcast over sunny banks, etc.

Double Grandiflora

White **Pink** **Yellow** **Scarlet**

Each, pkt. 25 cts., 1/2oz. \$1.25, 1/4oz. \$2

Double Mixed. Pkt. 20 cts., 1/2oz. 85 cts., 1/4oz. \$1.50.

Single Grandiflora, Choice Mixed. Pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 85 cts., oz. \$3.

POLEMONIUM (Jacob's Ladder). *Perennial*. Popular border plant; bell-shaped flowers 1 inch across. 2 ft. May-July.

Cœruleum grandiflorum. Deep blue. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

POLYANTHUS (*Primula elatior*). *Perennial*. Trusses of flowers on 10-inch stems. Sow in May and transfer to permanent position in autumn. Protect over winter.

Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$2.50.

Blue Beauty. Fine blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

Primula Primrose

Greenhouse Plants and Hardy Perennials

Among these are some of our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting mostly of sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Single Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Primula obconica gigantea

Our improved strains out rival the old types; flowers often measure 2 inches across.

Orchid-Lavender. Unique light lavender. Large flowers in mammoth clusters.

Orchid Purple. A delightful new shade.

Wyaston Wonder. Immense crimson flowers; foliage is believed non-irritating.

Above 3, each, pkt. 75 cts., 3 pkts. \$2

Apple Blossom Sky-Blue **Crimson**

Dark Rose **Scarlet** **Mixed**

Rosea Mueller. Bright rose.

Above 7, each, pkt. 50 cts., 3 pkts. \$1.25

Primula malacoides • Baby Primrose

Handsome specimen plants and flowers that are exceptionally large and well formed.

First Lady. New. White flowers tinged pink, and a large proportion are double.

Cameo. New. Lavender-orchid. A high percentage produces large double flowers.

Double Twinkles. Soft flesh-pink.

Enchantress. Soft salmon-rose.

Sweetheart. Salmon-pink bordered white.

Double Mixed. The color-range includes pink, white, lavender, and orchid.

Above 6, each, pkt. \$1.50

California, Mixed. Fine assortment.

Lavender Glory. Blooms 1 1/4 inches across.

Snowflake. White, 1-inch-diameter blooms.

Above 3, each, pkt. \$1

Double Fairy Jewels. Double flowers, with a crested center, 3/4 to 1 inch across; rich rose-pink; lighter edges. Pkt. \$1.50.

Hardy Primulas

Beesiana. Purple; yellow eye. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Bulleyana hybrida. Orange, apricot, and carmine shades; 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Denticulata. Rosy lilac; 1 ft. Pkt. 50 cts.

Japonica alba (Oriental Primrose). White flowers with pink centers. 2 ft. Pkt. 50 cts.

Japonica splendens. Blood; 2 ft. Pkt. 50c.

Japonica, Choice Hybrids, Mixed. Bright, showy flowers. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Lissadel, Red Hugh. Fiery madder-red. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Sikkimensis (The Sikkim Cowslip). Pale yellow; fragrant. 1 1/2 ft. Pkt. 50 cts.

Veris, Mixed (Cowslip). 1 ft.

Vulgaris. The true English Primrose. Canary-yellow; fragrant. 6 in.

Above 2, each, pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$2, 1/4oz. \$3.50

Waltoni. Dark red, wine-colored, glossy flowers. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

PYRETHRUM (Painted Daisy). *Perennial*. Attractive hardy plants with daisy-like flowers. Valuable for cut-bloom and garden display. Gaily colored.

Double Hybrids. The seed we are offering is grown by an expert who, after painstaking effort, has produced a wonderful strain with large, very double flowers in distinct shades of pink, salmon, scarlet, and pure white. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

Single Hybrids, Mixed. Grown specially for us in England. The flowers range in color from the palest pinks to deep red. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

RANUNCULUS, Tecolote Hybrids. *Perennial; treat as an Annual.* From a wild, large-flowered type, a variety of reds, yellows, orange, etc., have been produced. Includes singles, semi-doubles and doubles. 1 ft. Pkt. 75 cts., 3 pkts. \$2.

RUDBECKIA • Coneflower

Annual Varieties

Starlight. Large free-blooming, semi-double hybrids. The flowers vary; some are double, others single, some midway. Colors range from primrose to mahogany. 3 ft. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

My Joy. Bright orange, 5-inch flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Kelvedon Star. 3 ft. The flowers are orange or yellow, and all have dark brown centers. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Perennial Varieties

Hirta Hybrids, Mixed. Sown indoors in March, they bloom same summer. Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

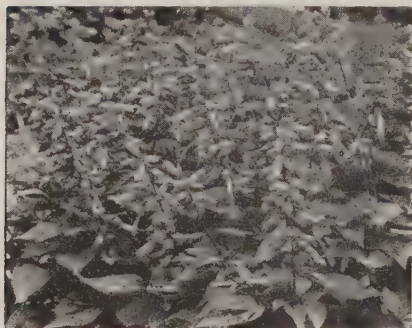
Purplea. Reddish purple; 4 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50.

SALPIGLOSSIS • Painted Tongue

Annual. Funnel-shaped blooms have veinings through the groundwork. Sow in open in spring, or earlier indoors, and transplant.

Finest Tall Mixed. Orchid-flowering, or Superbissima hybrids. A mixture of choice color combinations—brown and gold, blue and gold; purple, scarlet and rose with gold; crimson, primrose, violet, etc. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Dwarf Giant-flowering, Mixed. Height 2 feet. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Salvia splendens

SALVIA • Scarlet Sage

Annuals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. 2 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2.

Harbinger. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, and is densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

America or Globe of Fire. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Scarlet Dragon. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. $2\frac{1}{2}$ ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Splendens (Scarlet Sage). Bright scarlet; very showy. $2\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Bonfire. Compact bushes produce upright spikes of very brilliant scarlet flowers. $2\frac{1}{2}$ ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Zurich. Valuable because of its earliness. Dwarf and bushy, with full, heavy spikes of scarlet flowers. 2 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Blaze of Fire. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Purple Splendens. Uniform, covered with purple flowers. $2\frac{1}{2}$ to 3 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period. To get the best results for late autumn bloom plants should be pinched back.

Welwyn Pink. A charming hue.

Welwyn White. Perfect pure white.

Each, pkt. 50 cts., 3 pkts. \$1.25

Perennial Salvias

Farinacea types

Treat as annuals; sow in April to bloom July to October.

Farinacea. Light blue. $2\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Blue Bedder. Compact, and deeper blue. A profuse bloomer. 3 ft. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Patens (Blue Sage). Sky-blue. Beautiful garden or greenhouse tender perennial which is treated as an annual, sowing seed early and transplanting. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

SAPONARIA ocymoides. *Perennial.* Hardy rock-plant; masses of small pink flowers. 9 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

SCABIOSA

Mourning Bride; Pincushion Flower

These beautiful annuals grow about $2\frac{1}{2}$ feet high and bloom from early in July until frost. As a flower for cutting they are very popular, and equally so for borders or beds. Sow seeds in the open in spring.

Tall Annual Varieties

***Blue Moon.** The large, double flowers are cone-shaped, $2\frac{3}{4}$ inches in diameter, and are a rich deep lavender-blue color. Invaluable for the home-garden and as a florists' cut-flower. Large columnar plants, $3\frac{1}{2}$ ft.

Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blooms. "Highly commended" by the R.H.S. (Eng.).

***Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.

Salmon Beauty. Vigorous plant and enormous flowers. Color is pure salmon.

***Shasta.** Pure white, with immense blooms 3 to 4 inches in diameter.

***King of the Blacks.** Purplish black.

***Rich Red.**

***Yellow.**

Orchid Shades, Mixed. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others.

Above 10, each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Tall Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

COLLECTION; Pkt. each 6 sorts above marked (*), 75 cts.

Semi-Dwarf Varieties

Heavenly Blue. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and azure-blue. $1\frac{1}{2}$ feet.

Peace. Fully double, white; ideal for displaying with a dark sort. Beehive-shaped flowers are $1\frac{3}{4}$ inches across.

Above 2, each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Perennial Varieties

Giant Hybrids (Isaac House Strain), Mixed. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Caucasica (Blue Bonnet). Especially valuable for cutting; lilac-blue. 3 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

Caucasica alba. Beautiful white form. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

SANVITALIA procumbens fl.-pl. *Annual.* Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

PLANT TWISTS

for tying plants to stakes, make the work actually interesting, because they are so easy to use.
100 for 50 cts.



Schizanthus, Giant-flowering Hybrids

SCHIZANTHUS

Fringe Flower; Butterfly Flower

Annual. Pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Grown largely as a greenhouse plant, also of easy culture outdoors.

Canadian Super-Giants. Blooms 2 inches across. Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.

Giant-flowering Hybrids, Mixed. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

SHAMROCK. (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

SIDALCEA (Checkerbloom). Perennial. Erect, mallow-like plants of easy culture. **Stark's Hybrids.** Brightly colored. Useful for cutting. Pkt. 15 cts., 1/4oz. 50 cts.

SILENE Schafta (Autumn Catchfly). Perennial. Pink flowers July-Sept. 4 to 6 in. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

SOLANUM Capsicastrum (Jerusalem Cherry). Greenhouse Plant. Dwarf, branching plants; bright scarlet globular berries. 15 in. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

STAR OF TEXAS (*Xanthisma texanum*). Sow in spring, thin or transplant to 1 foot apart. Grows 1 1/2 feet high and produces showy yellow daisy flowers 2 inches across with narrow florets. Good for poor soil. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

STEVIA serrata (*Piqueria trinervia*). Greenhouse and Bedding Plant. Fragrant, pure white flowers. Excellent for cutting. 2 ft. Pkt. 35 cts., 1/8oz. \$1, 1/4oz. \$1.75.

STOKESIA

Cornflower Aster

Cyanea. Hardy Perennial. Plant bears from twenty to thirty handsome lavender-blue cornflower-like blossoms often 3 to 4 inches across; July to frost. For the perennial border and indispensable for cutting. 2 ft. Pkt. 25 cts., 1/4oz. \$1.

STRELITZIA Reginae (Bird-of-Paradise). Majestic greenhouse perennial with remarkable orange and blue flowers. 6 ft. Pkt. \$1.50. (Seed ready March 15.)

TAGETES signata pumila, Little Giant. Compact annual, with fern-like leaves and yellow flowers, striped brown. 10 in. **Gnome.** A large-flowered variety with beautiful golden yellow flowers. 6 in. Above, each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

Early Giant Imperial Stocks

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2 1/2 feet high.

***Antique Copper.** Rich hellebore-red, overlaid with copper. Fully double.

***Buttercup.** An improved new yellow Stock of a rich deep tone.

***Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.

***Shasta.** A new, glistening, giant white, with longer stems and more blooms to the stem.

* Chamois-Rose	Blood-Red
Apple Blossom	Deep Rose
Dark Blue	Mixed
	* Lavender

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

COLLECTION:

Pkt. each of 6 varieties marked*, \$1.25

NON-BRANCHING or COLUMNAR

TYPE. For greenhouse forcing. Each plant produces only one stem, on which is the large flower-spike of from 15 to 20 blooms. A high percentage of the plants are double. Outstanding as the favorite florists' variety. 3 feet.

American Beauty. Similar to the American Beauty Rose.

Ball Blue. Rich lilac shade.

Ball Supreme. Rich silvery rose; extra-long, heavy spikes.

Purple. Deep purple with long stems.

Gardenia. Waxy white.

Yellow Wonder. Cream-yellow.

Chamois-Rose

Pure White

Deep Rose

Ruby

Lilac-Lavender

Silvery Lilac

Mixed

Each, pkt. 75 cts., 3 pkts. \$2

Giants of California

Ideal new greenhouse type with long flower-spikes. 70% double-blooming plants may be looked for. Quick-growing, immense florets, and especially good colors.

Santa Maria. White. Mixed.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

STATICE (Sea Lavender). Annuals except *Caspia* and *Perezii*, which are perennials; *Everlasting*. Cloud-like flowers make borders gay, while they blend well with other Everlastings in winter. Sow outdoors in May.

Sinuata, Kampf's. Large blue flowers.

Sinuata, Pastel Shades.

Sinuata, Rose Superba. Rose; 2 ft.

Sinuata, Yellow (*S. Bonduelli*). 3 ft.

Sinuata, Mixed.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Suworowi. Cloud-like masses of rose; 2 ft.

Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Perennial Types

Caspia. Pyramidal habit; graceful. Lavender-blue flowers. 2 1/2 ft. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Perezii. Rich blue. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. \$1.



Stocks, Early Giant Imperial

Special Cultural Note

Sow Stocks for outdoor blooming early, so as to reach the bud stage before the average temperature exceeds 60° F.; otherwise the bud may not develop and an excessive leaf-growth result.

ALPINE STRAWBERRIES. From Seed.

An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

Baron Solemacher. Red fruits. Pkt. 35 cts., 3 pkts. \$1.

Plants of Alpine Strawberries ready April 1, \$1.75 per doz., \$3 for 25, \$10 per 100.

TAHOKA DAISY. Sow in the open in early spring to produce plants which will bear 1 1/2-inch blue daisies from July to October. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

THALICTRUM diptercarpum (Meadow Rue). Perennial. Attractive in the garden and invaluable for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. 3 ft. June, July. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

THERMOPSIS. Perennial. Striking plant; long spikes of yellow blossoms. June, July. **Caroliniana.** 4 ft. Pkt. 25 cts., 5 pkts. \$1.

THUNBERGIA, Mixed (Black-eyed Susan). Annual Climber. Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. Used extensively for hanging-baskets, vases, low fences, etc. All colors. 4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

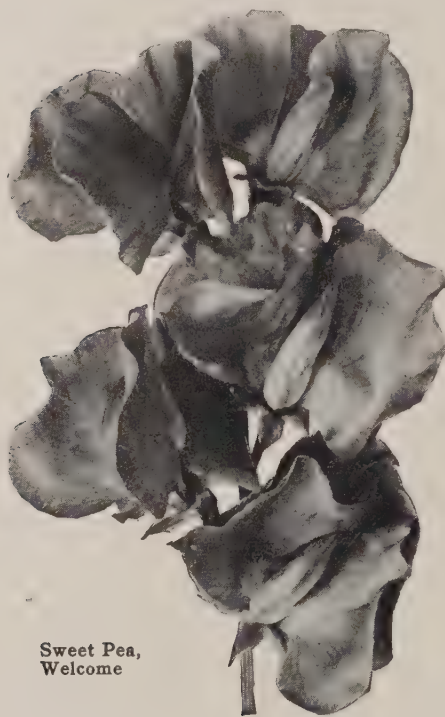
THYMUS Serpyllum (Mother of, or Creeping Thyme). Perennial. Valuable plant for the alpine garden. Trailing habit with bright lilac-purple flowers. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$2.

TITHONIA speciosa (Mexican Sunflower). Annual. Early-flowering. Sow in spring outdoors, or earlier indoors for transplanting. Shrub-like plant of enormous dimensions, and the orange-colored, daisy-like flowers are 3 to 4 inches in diameter. 8 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TORENIA Fournieri. Greenhouse and Bedding Plant. A very fine annual; splendid for vases, hanging-baskets, borders, etc. Sky-blue flowers, bright yellow centers. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Summer-flowering Spencer Sweet Peas (OUTDOOR CULTURE)

Sow as soon as the ground can be worked. Dig a trench about a foot wide and deep, fill with soil and rotted stable manure in equal parts, or soil with one-third Humus mixed with it and some General Garden Fertilizer added. Tread firmly. Make a single groove about $\frac{3}{4}$ inch deep; sow seeds every 2 inches, and cover. When the plants are 3 to 4 inches, thin to 6 inches apart. Supports 4 feet or more high should be provided. The Sweet Pea is a moisture-loving plant, and by May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawcure or peat-moss and soak well as needed.



Sweet Pea,
Welcome

- ***Affection.** Sweet and graceful, coral-pink on cream, growing strongly; long stems.
- ***Ambition.** One of the best of the large-flowered lavender sorts. Waved flowers.
- ***Bonnie Ruffles.** Beautiful duplexed pink; sunproof, and good in artificial light.
- ***Capri.** Perhaps the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties.
- ***Chinese Blue.** Standard and wings are deep blue. Stems usually bear four flowers. Strong-growing; blooms large.
- ***Crony.** Robust golden salmon. Certificate of Merit, Scottish Sweet Pea Society.
- Diana.** Immense rose-pink flowers on a cream ground. They are duplexed.
- ***Golden Dragon.** Duplex sort of great merit. The standard is bright orange while the wings shade to a deeper orange-rose.
- ***Grandeur.** Shell-pink on white. The vigorous plant blooms continuously.
- ***Mastercream.** Beautifully frilled, mostly duplexed, and cream color. Black seed.
- ***Model Gigantic.** Large white; long stems. Blossoms well waved. Black seed.
- Pinkie.** Strong stems bear a profusion of flowers all season. Deep rose-pink.
- ***Prolific.** Multiflora type. Clusters of 5, 6, or 7 medium-large flowers. Standards rose-pink, outside of wings a shade deeper.
- Royal Purple.** The finest rich purple. Large-flowering.
- Ruffled White.** Chaste white, frilled and ruffled. Good for cut-flowers.
- The Sultan.** Almost black—deep silky maroon. Large flowers on long stems.
- ***Welcome.** Brilliant and dazzling scarlet self. Wings are the same shade as the standard.

Above Sweet Peas, each, pkt. 15 cts., oz. 50 cts.,
 $\frac{1}{4}$ lb. \$1.50

Sweet Pea Collections Twelve Outstanding Varieties

FOR OUTDOORS

One packet each of the varieties of special merit, distinguished in the list at left, with an asterisk (*)..... \$1.50

Ten Distinct Colors

FOR OUTDOORS

For the gardener who desires to grow the best Sweet Peas, but is not interested in names. Each is the most pleasing of its color, with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three or four blossoms.

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmine
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SPECIAL COLLECTION 75 cts.
One pkt. each of these 10 distinct colors

Grand Prize Mixture Giant Outdoor-flowering Sweet Peas

We have made a carefully balanced selection of the best varieties of Summer-flowering Sweet Peas for this mixture, using the finest ruffled and long-stemmed sorts. Recommended for general use and garden display.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.75.

Spring - Flowering Sweet Peas (OUTDOOR-INDOOR CULTURE) CUTHBERTSON TYPE

These flower more quickly than the Summer-flowering Sweet Peas, but take several weeks longer than the early-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. Vigorous; they stand heat better, and are very good for outdoor sowing in the New York area; the flower-stems are long and the blooms are large, fluted and very fragrant.

Coline. Scarlet. Awarded Certificate of Merit, Scottish Sweet Pea Society, 1944.

Danny. Navy-blue.

Evelyn. Salmon-cream-pink. Awarded Gold Medal, Scottish Sweet Pea Society, 1945.

Frank G. Rosy lavender. Awarded First-class Certificate, Scottish Sweet Pea Society, 1945.

Hazel. Light blue.

Janet. Splendid white variety; seeds black. Awarded Certificate of Merit, Scottish Sweet Pea Society, 1944.

Kenneth. Glowing oxblood crimson.

Lois. Rose-pink on a white ground. Awarded Silver Medal, Scottish Sweet Pea Society, 1944.

Marion. Beautiful cream; seeds are black.

Tommy. Clear medium blue. Awarded First-class Certificate, Scottish Sweet Pea Society, 1944.

Above 10, each, pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

COLLECTION: Pkt. each, above 10 colors, \$1.25

Spring-Flowering Mixed. Exciting well-balanced blend.

Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts.

Early- or Winter- Flowering Sweet Peas (MOSTLY INDOOR CULTURE)

Quickest of all, these greenhouse subjects may be sown also in the garden in spring for earliest bloom outdoors. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

Early Daphne. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal, New York Flower Show.

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue.

Red Giant. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel.

Treasure Island. Orange blooms are semi-duplexed, $2\frac{1}{2}$ inches across, often 4 on each 15-inch stem.

White Giant. Purest white flowers, large and waved. White seed.

OTHER GOOD SORTS

Blue Bonnet. Clear deep blue.

Early Majestic Rose. Deep rose-pink.

Early Mars. Ox-blood-crimson.

Evening Star. Orange-scarlet.

Iris Blue. Deep blue; wings lighter.

Lavanda. Pure lavender.

Shirley Temple. Soft rose-pink.

Tahoe. Mid-blue.

Top Hat. Deep violet.

Valencia. Bright orange; sunproof.

White Harmony. Fine black-seeded white.

Early-flowering Mixed.

All above early sorts, each, pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.



Balcony Petunias

For Flower-Beds, Annual Borders
Window-Boxes and Rock-Gardens

THIS LARGE-FLOWERING TYPE
IS THE BEST FOR THE
AMATEUR GARDENER TO GROW

Few annuals offered by us have become so quickly popular as these splendid Petunias. Their freedom and purity of bloom have made them everyone's favorite. The plants grow vigorously; they are covered with large flowers, and the colors are pure and true. We offer five distinct hues in this very charming annual.

1. White. Pure white.
2. Rose. Pure rose-pink.
3. Crimson. Rich deep crimson.
4. Blue. Velvety violet-blue.
5. Purple. Velvety violet-purple.

Any of the above varieties, pkt. 25 cts.,
1/8oz. \$1.50, 1/4oz. \$2.50

Special Collection Offer

One pkt. each
of 5 distinct colors \$1

Other Petunias are offered on page 48

Daylilies

HEMEROCALLIS

FRANCIS MARION SERIES

Charming new hybrids that will grow from Maine (with light winter mulching) to California. The Francis Marion Series comprises the deepest reds, rich maroons and wine-purples; orange and yellow are excluded. Heights range from 2½ to 3½ ft. **\$1.25 each, \$3.50 for 3, \$13.50 per doz., \$100 per 100.**



DAYLILIES, FRANCIS MARION SERIES

GORGEOUS ORIENTAL POPPIES

Six-inch-diameter flowers. Three wonderful sorts shown below: (1) **Pink Lassie**, (2) **Grand Mogul**, (3) **Perry's White**.

65 cts. each, \$1.90 for 3, \$7.25 per doz.

Collections:

3 plants, 1 each	\$1.90
9 plants, 3 each	\$5.35
18 plants, 6 each	\$10.00



SWEET VIOLETS

Royal Robe. Perfumed flowers are ½ to ¾ in. across, on 6 to 9-in. stems. Blooms in April and October.

\$1.50 for 3, \$5.50 per doz., \$40 per 100.

Colorful Plants for Your Garden

These are among the most striking Hardy Perennials, reliable and very certain to bloom.

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Flowers second season from seed. Sow outdoors in May; transplant in August.



Sweet William, Mixed

TALL VARIETIES (1½ ft.)

- Single White.** Single Dark Crimson. Each, pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1
- Single Tall, Mixed.** Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.
- Double Tall, Mixed.** Pkt. 20 cts., ¼ oz. 75 cts., oz. \$2.50.
- Newport Pink.** Fine watermelon-pink. 1½ ft. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.
- Scarlet Beauty.** Rich, deep scarlet; vivid. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.
- Holborn Glory.** Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

DWARF VARIETIES (9 in.)

- Single Dwarf, Mixed.**
- Double Dwarf, Mixed.** Each, pkt. 15 cts., ½ oz. 60 cts., ¼ oz. \$1
- Annual Sweet Williams.** Sown indoors during March, these will bloom freely the first year. 9 in. Mixed colors. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

TRITOMA, Mixed Hybrids (Flame Flower; Poker Plant; Torch Lily). Perennial. Spikes of dazzling tubular flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar. Pkt. 20 cts., ¼ oz. 75 cts.

TROLLIUS (Globe Flower). Perennial. Big buttercups. May-Aug.

Golden Queen. Enormous flowers 4 inches across. 4 ft. Pkt. 35 cts., ½ oz. \$1.25, ¼ oz. \$2.

Mixed. Shades of orange, yellow and gold. Pkt. 25 cts., ½ oz. \$1.25, ¼ oz. \$2.

TUNICA Saxifraga (Tunic Flower). Spreading perennial for the rock-garden and for edging. Covered with small lilac-pink blossoms. 8 in. Pkt. 20 cts., ½ oz. 50 cts., ¼ oz. 85 cts.

VALERIAN (Garden Heliotrope; Heal-All). Perennial. Pinnate foliage; panicles of scented flowers in June and July. 4 ft. Red. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50. Mixed. Pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.25.

VERBENAS

Mostly creeping annuals with clusters of showy flowers. Sow in May, or earlier under glass. Thin to 1 foot.

Annapolis Blue. Beautiful mixture of shades of mid-blue, with no tendency to purple. Of spreading habit and the 3-inch clusters of flowers stand erect on foot-high stems. Their color varies within each cluster, but all the florets may be classed as mid-blue.

Beauty of Oxford Hybrids, Mixed. Vary from rose-pink to rose-red; the brightest rose-colored Verbena. Enormous flowers.

Crimson Glow. Fine crimson, pure, self-colored and without a white eye.

***Etna.** Vivid scarlet with small yellow eye.

Flamingo. Erect. Vermilion-pink. 1½ ft.

***Lavender Glory.** Lavender with cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)

***Royale.** Royal blue, primrose-yellow eye.

***Salmon-Pink.** Even tone of salmon-pink.

Spectrum Red. Wonderful dazzling color.

***White King.** Pure white.

Above, each, pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50

COLLECTION: 5 pkts., one each marked *, \$1

Giant-flowering, Mixed. All shades. Pkt. 15 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Miniature Types

These tiny plants grow only 6 to 9 inches high, but they bloom continuously. Recommended for bedding, or for the front of the annual border. Excellent pot-plants. Offered in mixture only. Pkt. 15 cts., ½ oz. 40 cts., ¼ oz. 75 cts.

Perennial Verbena

Venosa (Hardy Garden Verbena). Purple flowers all summer. 1 ft. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.



Verbena, Annapolis Blue

VIOLAS • Tufted Pansies

Perennial. Violas bloom for so long that they are often preferred to pansies.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). Deep violet-blue, with slight variation. Comes about 70 per cent true. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2, ¼ oz. \$3.50, 1/8 oz. \$6.

Lutea splendens. Glowing yellow.

White Perfection. Splendid white.

Above 2, each, pkt. 50 cts., ½ oz. \$1.50, ¼ oz. \$2.50

Large-flowering Hybrid Violas

Arkwright Ruby. Terra-cotta on crimson. Fragrant. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2, ¼ oz. \$3.50, 1/8 oz. \$6.

Blue Butterfly. The color is a mid-blue shading to white. Pkt. 50 cts., 1/8 oz. \$1.25, ½ oz. \$2, ¼ oz. \$3.50.



Viola,
Blue Perfection

Blue Perfection. Plant almost hidden by medium clear blue flowers. Pkt. 50 cts., 1/8 oz. \$1.25, ½ oz. \$2, ¼ oz. \$3.50.

Chantryland. Fine shade of apricot; the best in this color to date. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2, ¼ oz. \$3.50, 1/8 oz. \$6.

Papilio. Fine blue and white variety. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50, ¼ oz. \$2.50.

Finest Mixed. Pkt. 35 cts., 1/8 oz. \$1.25, ½ oz. \$2, ¼ oz. \$3.50.

Sweet Violets

Viola odorata

The Czar. Deep violet, large and very fragrant. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50.

WALLFLOWER. Half-hardy annuals and perennials for early spring bedding. Delightfully fragrant. Sow perennials in autumn and carry over in a coldframe. Sow annuals indoors in March to flower first year.

Annual, Double Mixed. Pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1.

Annual, Single Mixed. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

Perennial, Double Mixed. Pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1.

Perennial, Single Mixed. Pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in the summer and keep on blooming until hard frost.

Giant Double Dahlia-flowered

Mammoth flowers average 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

- *Canary Bird. Clear yellow.
- *Crimson Monarch. Flaming crimson.
- *Dream. Deep lavender-blue.
- *Eldorado. Salmon-apricot.
- *Exquisite. Light rose.
- *Golden Dawn. A pure clear golden yellow.
- *Oriole. Orange and gold.
- *Polar Bear. Large; finest pure white.
- *Royal Purple. A deep, rich, regal purple.
- *Scarlet Flame. Bright scarlet.

Each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2
Mixed. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
COLLECTION: Pkt. each, 6 marked *, \$1, 1/4oz. each, \$3.25

Various Zinnias

Linearis. Growing 10 inches high and spreading 2 feet, within six weeks of sowing it is covered with medium-sized, single, daisy-like golden orange flowers. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

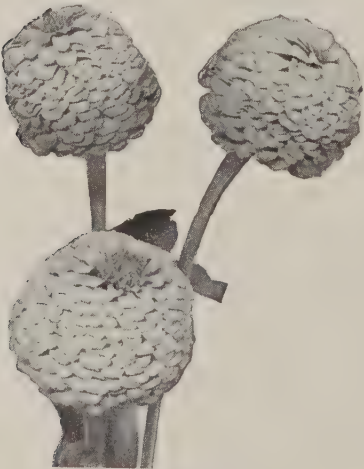
Mexican, Mixed (Z. Haageana). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scabious-flowered Zinnias (Beehive)

Howard Crested. A mixture. The flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets. A blend of charming fresh colors. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Super Crown o'Gold Zinnias

Pastel Tints. Base of each floret comprising the flower is gold, but the other halves vary in color; in one flower it is pink or in another salmon or apricot, buff, peach, white or cream. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.



Picture of the 1 1/4-in. blooms of Lilliput Zinnia, Pastel Shades

Mammoth California Giants

Plants grow 3 feet, and the double flat blooms often average 6 inches in diameter.

- Brightness.** Bright pink.
- Cherry Queen.** Cherry-rose.
- Enchantress.** Light rose, deeper center.
- Golden Queen.** Lemon-orange.
- Miss Willmott.** Soft pink.
- Orange Queen.** Golden orange.
- Orange King.** Cadmium or burnt-orange.
- Purity.** Pure white.
- Rose Queen.** Bright rose.
- Salmon Queen.** Deep salmon-apricot.
- Giant Scarlet Gem.** Glowing scarlet.
- Violet Queen.** Shade of violet.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
Mixed. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.
COLLECTION: Pkt. each, 6 marked *, 75 cts.

Dwarf Double-flowering

For borders or cutting. 1 1/2 ft.

- Crimson Canary-Yellow Salmon-Rose**
- White Golden Orange Scarlet**
- Pinkie.** Rose-pink.
- Spun Gold.** Butter-yellow.
- Mixed.**

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Fantasy Zinnias

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

- Wildfire.** Intense scarlet.
- White Light.** Nearly pure white.
- Orange Lady.** A gay shade of bright orange.
- Rosalie.** Bright, intense rose.
- Stardust.** The waved and frilled flowers are a rich, deep gold.

Above 5, each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION: Pkt. each above 5 colors, 75 cts.

Fantasy, Mixed Colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes. Some entrancing colors are to be found in this class.

- *Canary Gem
- *Golden Gem
- *Salmon Gem
- *Scarlet Gem
- *Crimson Gem
- *Pink Gem
- White Gem
- Mixed Gems

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION: Pkt. each, 6 marked *, 60 cts.

CUPID ZINNIAS. Compact plants, less than 1 foot high; covered with small, button-like flowers. Excellent for edging.
Mixed Colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Lilliput Zinnias (Pompon)

Black Ruby. Has 1 1/4-inch blooms, on long stems; their color is a deep, velvety maroon. Very striking. 15 to 18 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Pastel Shades. Beautiful little ball-shaped blooms. In the mixture are apricot, peach, cream, shell-pink, salmon, rose, and orchid. 1 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.



Zinnia, Fantasy
Shaggy blooms are 3 inches in diameter

VENIDIUM fastuosum. Annual. For the garden or for growth under glass. Daisy like, orange flowers, 3 inches across, with black centers. 2 to 3 ft. Pkt. 25 cts., 1/4oz. \$1.25, 1/2oz. \$2.

VERBASCUM phoeniceum Hybrids, Mixed (Mullein). Perennial. Various shades from white through yellow to deep orange. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

VERONICA spicata, Blue (Speedwell). Perennial. Useful border plant with spikes of bright blue flowers from July to September. 2 ft. Pkt. 25 cts., 1/4oz. 60 cts., 1/2oz. \$1.

Spicata, Mixed. Pkt. 20 cts., 1/4oz. 50 cts., 1/2oz. 75 cts., oz. \$2.50.

VINCA (Madagascar Periwinkle; Old Maid). Annual. Begins blooming in August from seed sown outdoors in May. Flowers in July if sown indoors during March. 1 ft.

- Alba.** Pure white.
- Rosea.** Rose.
- Rosea alba.** White with rosy eye.

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

VIRGINIAN STOCKS. Annual. Gay in the period between spring and summer flowers. Their fresh, bright colors in lines and beds produce a charming effect. **Mixed.** Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. Annual. The plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses in miniature. 1 ft.

Blue Bouquet. Flowers are brilliant cornflower-blue.

Rose Queen. Pink.

Above 2, each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts.

COLLECTION A \$1.00

12 Packets, Most Popular Annuals

Alyssum, Little Gem
Aster, Midseason, Gt. Azure-Blue
Candytuft, Hyacinth-flowered, White
Cornflower, Blue Boy
Hunnemannia (Yellow Tulip Poppy)
Larkspur, Blue Spire
Mignonette, Allen's Defiance
Nasturtium, Large-flowered, Dwarf
Phlox, Tall Mixed
Salpiglossis, Tall Mixed
Shirley Poppy, Single, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION B \$1.25

12 Packets, Annuals for Rock-Gardens

Ageratum, Blue Perfection
Alyssum, White Carpet
Brachycome, Mixed
Candytuft, Crimson
Dianthus chinensis
Dimorphotheca aurantiaca
Ice Plant
Linum grandiflorum rubrum
Lobelia, Crystal Palace
Portulaca, Single, Mixed
Stock, Virginian, Mixed
Tagetes, Little Giant

COLLECTION C \$1.25

12 Packets, Annuals for Shady Gardens

Alyssum, Little Gem
Antirrhinum majus, Mixed
Aster, Queen of the Market
Balsam, Double, Mixed
Clarkia, Salmon Queen
Cornflower, Jubilee Gem
Cynoglossum, Firmament
Eschscholtzia, Mixed
Godetia, Azalea-fl., Carminea
Lupinus, Annual, Mixed
Nicotiana, Crimson Bedder
Petunia, Bedding, Mixed

COLLECTION E \$1.25

12 Packets, Annuals for Cut-Bloom

Antirrhinum majus, Mixed
Arctotis grandis
Aster, Wilt-resistant, Late Br., Mixed
Calendula, Orange King
Cosmos, Early Express, Mixed
Gypsophila elegans alba
Helichrysum, Double, Mixed
Marigold, African, Mixed
Scabiosa, Tall, Mixed
Stocks, Giant Imperial, Mixed
Sweet Peas, Spencer, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION G \$1.75

12 Packets, Most Popular Perennials

Alyssum saxatile
Aquilegia, Long-spurred, Mixed
Arabis alpina
Chrysanthemum, Alaska (Shasta Daisy)
Coreopsis grandiflora, Sunburst
Delphinium, Gold Medal Hybrids
Dianthus, Double Plumarius, Mixed
Digitalis, Giant Shirley, Mixed
Forget-me-not, Royal Blue
Gaillardia, Giant Hybrids
Poppy, Oriental, Scarlet
Pyrethrum Hybrids, Single



COLLECTION H \$1.75

12 Packets, Perennials for Rock-Gardens

Alyssum saxatile
Arabis alpina
Armeria, Large-flowering Hybrids
Campanula carpatica
Candytuft (Iberis gibraltarica)
Cheiranthus Allioni
Dianthus Allwoodi, Mixed
Geum, Lady Stratheden
Linum perenne, Blue
Polyanthus, Giant, Mixed
Poppy, Iceland, Single, Mixed
Saponaria ocymoides

COLLECTION K \$2.00

12 Packets, Perennials for Cut-Bloom

Aquilegia, Long-spurred, Mixed
Aster alpinus, Mixed
Campanula persicifolia, Blue
Centaurea montana, Blue
Chrysanthemum, Alaska
Coreopsis grandiflora, Sunburst
Delphinium, Gold Medal Hybrids
Gaillardia, Giant Hybrids
Gypsophila paniculata
Myosotis, Blue Bird
Pyrethrum, Single Hybrids
Scabiosa caucasica



Wallflower. See page 55.

FLOWER SEED MIXTURES

GRANDMA'S GARDEN of old-fashioned flowers. Over 50 of the most striking annuals. Pkt. 25 cts., ½ oz. 60 cts., oz. \$1.

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids. Pkt. 15 cts., oz. 60 cts., ¼ lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All varieties in our establishment are in this; mostly cultivated types. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. Dwarf flowers, annual and perennial, for the rock-garden. Mix seed with fine soil, 1 ounce to a pailful, and broadcast freely. Pkt. 25 cts., ½ oz. 60 cts., oz. \$1, ¼ lb. \$3.50, lb. \$10.



Gather flowers daily for a continuous supply

EVERLASTINGS

Flowers to be gathered in bud, hung for two months in paper-wrapped bunches to dry and make colorful winter decorations, include Statice sinuata. Others are Acroclinium, Celosia plumosa, Catananche, Echinops, Edelweiss, Globe Amaranth, Helichrysum, Honesty, Lavender, Physalis and Ornamental Grasses.

The Welcome Gift

Of our thousands of merchandise items, many make ideal PRESENTS for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—a collection of seeds; new dahlias, perhaps; roses, perennials, Epicure foods or some garden gadget.

A good idea is to purchase, for the amount you desire to spend, a Gift Check, good any time for any thing your friend selects. Give us the address and the amount; we do the rest. If time is short, wire or phone us.

ORNAMENTAL GRASSES

Grown for their beautiful flower panicles, which are dried for bouquets. Sow outside in May, transplant or thin out when large enough to handle. Flowerheads cut before they are ripe, will keep for a long period.

Annual Mixed Tall.
Annual Mixed Dwarf.

Each, pkt. 15 cts., 2 pkts. 25 cts.

MODERN DAHLIAS

Selected Varieties for Exhibition, for Garden Display, for Cut-Bloom

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular arrangement.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length

or more, the floral rays being recurved or straight.

I.C.—Incurved Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.



Formal Decorative (F.D.)



Recurved or Straight Cactus (C.)

ALL AMERICAN. Semi-C. The color is a mulberry-rose, suffused with salmon; florets are waxy yellow at the base and are somewhat twisted. Immense blooms on straight stems. \$1 each, \$9 for 10.

BLUE BIRD. I.D. Large flowers of beautiful form; unusual and attractive color. Blooms freely. The nearest to blue of any Dahlia. 50 cts. each, \$4.50 for 10.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, freely borne on long stems. 50 cts. each, \$4.50 for 10.

CALIFORNIA IDOL. I.D. Giant prize-winner. Clear, bright, glistening yellow. Vigorous healthy grower and good bloomer. \$1 each, \$9 for 10.

CARDINAL KING. I.D. Giant deep rich cardinal-red blooms of fine form. Strong, vigorous grower. 50 cts. each, \$4.50 for 10.

COMMANDO. F.D. Huge 10 to 14-inch flowers of clear true phlox-purple on long, stiff stems. Fine variety that will be much seen as a prize-winner. \$2 each, \$18 for 10.

DIXIE WINE DOT. I.D. Wonderful bi-color variety. Flower is 10 to 12 inches across, pure white, flecked and striped with wine-red. Achievement Medal winner. \$2.50 each, \$22.50 for 10.

ESSIE SMITH. Semi-C. Amaranth-pink. Petals curl to the very points. One of the largest, of good substance and strong stems. \$2 each, \$18 for 10.

FIVE STAR GENERAL. F.D. A very large, formal flower. Color is a blend of amaranth-pink blushing to Tyrian-pink and shading to maize-yellow toward the center. On all three Honor Rolls. \$5 each.

GAYLORD BALLAY. I.D. A giant pure white. An outstanding variety; the best large white Dahlia of all time. Enormous flowers even under only average care. \$2 each, \$18 for 10.

GENERAL PERSHING. I.D. Giant flower of coral and jasper-red, with a chrome-yellow flush. Rugged grower. Scored 85 at Storrs. \$3 each, \$27 for 10.

GOLDEN ECLIPSE. F.D. Giant. Bright gold flowers; immense size; perfect form. 50 cts. each, \$4.50 for 10.

HUNT'S VELVET WONDER. I.D. Deep burgundy-red flowers up to 15 inches across. \$1 each, \$9 for 10.

JANE COWL. I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. 50 cts. each, \$4.50 for 10.

JERSEY'S BEAUTY. F.D. One of the finest true pink Decorative Dahlias yet introduced. 50 cts. each, \$4.50 for 10.

JOHN A. KERNOCHAN. F.D. A fine bicolor; garnet-red, tipped white. Long stems. \$2 each, \$18 for 10.

JUDY. F.D. Bicolor lavender-pink, flecked red. Attractive, finely formed variety. Good for cutting and garden display. \$1 each, \$9 for 10.

KENTUCKY COLONEL. F.D. Soft creamy tan striped crimson. Free-flowering. \$1 each, \$9 for 10.

KIRSTEN FLAGSTAD. I.D. Outstanding variety. Profuse bloomer. Very large, buff and gold flowers. \$3.50 each, \$31.50 for 10.

LAVENDER QUEEN. F.D. Large, soft clear lavender. Free bloomer. Fine for cutting. 75 cts. each, \$6.75 for 10.

MAFFIE. Semi-C. One of the largest Dahlias grown. The lively carmine blooms outclass most others where shown. \$2 each, \$18 for 10.

MARIE. F.D. Bright pink. Prolific bloomer. Good for cutting and garden decoration. \$1 each, \$9 for 10.

MARIE MESSA. C. Charming variety, blooming very freely on long stems. Dainty light pink, lightening toward the center. Splendid cut-flower. Winner of many awards. \$2.50 each, \$22.50 for 10.

MARY TAYLOR. I.C. Fine, deep flesh-pink and gold. Blooms 9 inches in diameter and 4 inches through, on fine stems. A good keeper. 6 ft. On the Honor Roll. \$1 each, \$9 for 10.

MISS SAN DIEGO. I.C. Splendid, somewhat odd shape. Tyrian-pink, with thread-like markings of the same hue on the strontium yellow center florets. These are deeply laced at the tips. Large size. On all three Honor Rolls. \$5 each.

MOON GODDESS. F.D. to I.D. Primrose-yellow flower of beautiful form, 11 to 12 inches across, on extra-long stems. Gold Medal and Achievement Medal winner. \$2 each, \$18 for 10.

MRS. HESTER PAPE. I.D. Ten- to 14-inch flower of red-purple. A vigorous, easy grower that can be readily forced to an enormous size. Has an outstanding show record on all Honor Rolls. \$5 each.

OGDEN REID. F.D. The color is midway between rose and salmon, blended with primrose-yellow. The center is deeper rose. Very large, 12½ inches or more across by 6½ inches deep; 3 feet, with heavy, thick foliage. \$3.50 each, \$31.50 for 10.

PREPARING SOIL FOR DAHLIAS: Spread one pound of Humus per square foot on sandy or clayey land; spread one pound to 10 square feet of Sawco Dahlia Food on all types of soil. Dig and rake smooth



Informal Decorative (I.D.)

PINK REGALIA. F.D. to I.D. Lively intense pink, 7 to 9 inches. Flowers held upward and facing on splendid long stems. Ideal for garden and cut-flowers; very free blooming. \$2 each, \$18 for 10.

RED CHAMPION. I.D. Large blooms 11 by 5 inches (sometimes more). Beautiful carmine-red. 50 cts. each, \$4.50 for 10.

RONNY LEE. Semi-C. Wonderful blend of scarlet-red and salmon-orange, making an effective combination; the blooms are 12 inches or more in diameter. Fine variety and a good grower. \$3 each, \$27 for 10.

RHYTHM. I.C. Beautiful, dainty flower of unusual cameo-pink and rose, blending to a soft lemon center; 8 to 9 inches in diameter. Rugged grower and free bloomer. Awarded the Memorial Gold Medal. \$2 each \$18 for 10.

TUXEDO. I.D. Color is red with orange tips; reverse is silvery. Can be grown to 12 inches across and 6 inches deep. Stems are extra good, and the variety is a good keeper as a cut-flower. \$2 each, \$18 for 10.

VIN WELL PARAGON. F.D. to I.D. A gorgeous Dahlia of dainty cameo-pink with amber-yellow at base of petals. Fine long stems. \$2.50 each, \$22.50 for 10.

VIRGINIA RUTE. I.D. Rich ox-blood-red, with broad, pointed petals and a tight center. The flowers are held well out of the foliage on long strong stems. Fine for exhibition. \$1 each, \$9 for 10.

WATCHUNG GIANT. I.D. Deep amber-yellow suffused orange-cadmium. Wins consistently. Profuse bloomer. 75 cts. each, \$6.75 for 10.

WHITE BEAUTY. F.D. Pure white, large-flowering Dahlia of beautiful form and good substance. Fine garden and cut-flower variety. 50 cts. each, \$4.50 for 10.

YELLOW QUEEN. I.D. Bright clear yellow of fine form, good for cutting and garden. 75 cts. each, \$6.75 for 10.

YOUR LUCKY STAR. C. Amaranth-pink with white center. A perfect cactus. An Achievement Medal winner. \$1 each, \$9 for 10.



Incurved Cactus (I.C.)



POMPON DAHLIAS

PLANTING DAHLIA ROOTS

Drive in Dahlia Poles four feet apart each way, and dig a hole at the foot of each. Drop in a handful of Sawco Dahlia Food, and mix well.

Spread some unfertilized soil over the enriched earth. Place the Dahlia root horizontally five inches below the surface; fill the hole with soil and tread firmly.

PRUNING DAHLIAS

Limit main stems to two at most. Pinch the tops when the third pair of leaves shows; pinch the two main branches when the third pair shows. Limit buds one to a branch.

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

Four beautiful colors are available: White, Pink, Red and Yellow. Sold in mixture only. 40 cts. each, \$3.60 for 10.

ORCHID-FLOWERING DAHLIAS. This type is most interesting and popular for landscaped effects, table decorations and charming floral arrangements. Florets are gracefully waved. Mixed colors. 50 cts. each, \$4.50 for 10.

MINIATURE DAHLIAS

Flowers 3½ inches in diameter or less

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

ROYAL BLUE. F.D. (New.) Flowers 2½ to 3 inches across. An alluring blend of blue and royal purple, very striking; long stems and free flowering. 75 cts. each, \$6.50 for 10.

ROYAL BRONZE. F.D. (New.) Flowers 3 to 3½ inches across. Bright blend of orange and bronze; long stems and free flowering. 75 cts. each, \$6.50 for 10.

ROYAL LAVENDER. F.D. (New.) Flowers 3 to 3½ inches across, of bright true lavender. Long stems and free flowering. 75 cts. each, \$6.50 for 10.

ROYAL WHITE. F.D. (New.) Pure white; exceptionally free flowering. 75 cts. each, \$6.50 for 10.

ROYAL YELLOW. F.D. (New.) Never before on the market. Bright yellow, petals slightly edged buff. The general effect is yellow. 75 cts. each, \$6.50 for 10.

ROYAL COLLECTIONS

The above five new miniature Dahlias, illustrated on fourth cover.

Collection E. 5 roots, one each (value \$3.75).. \$3 25
Collection F. 10 roots, two each (value \$7.50).. 6 25

BABY ROYAL. Semi-C. Salmon-pink shaded apricot. Free bloomer.

BISHOP OF LLANDAFF. Peony-flowered. Bright scarlet; duplex form. Attractive fern-like, reddish purple foliage.

BUCKEYE BABY. F.D. Bright buff-yellow and red flowers, small and compact, on long stems.

RED ROBIN. F.D. Brilliant scarlet flowers. Early and free flowering.

RHODESIA. D. (New.) Salmon-pink. Free flowering.

SYLVIA. F.D. Brilliant deep red; flowers of beautiful form. A low grower and free flowering.

WHISPER. C. Yellow, faintly shaded scarlet. Very attractive.

WHITE CAP. D. Pure white. Good bloomer.

Above 8, 50 cts. each, \$4.50 for 10

COLLECTIONS OF MINIATURE DAHLIAS

Collection G. 8 roots, 1 each of the above (value \$4).....\$3 50
Collection H. 16 roots, 2 each of the above. (value \$8)..... 6 75

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller. The plants are also smaller, of branching habit, and produce a profusion of flowers which are invaluable for table decoration and boutonnières.

Barbara Ann. Dainty pink.
Edith Muller. Rosy orange and yellow.
Golden Beauty. Bright yellow.

Mary Muns. Deep lavender.
Red Star. (New.) Bright red.
Snowbird. Pure white.

Above 6 varieties, 35 cts. each, \$3.25 for 10

COLLECTION OF POMPON DAHLIAS

Collection D. Six roots, one each of the above (value \$2.10), for \$1.75.

COLLECTION—GIANT DOUBLE SORTS

Collection A. Garden Full of Dahlias \$5

List value \$8.50 for

Sold in a Collection. Each tagged with its name.

We offer these at a saving because they are kinds of which we hold large stocks, and all of them are good. It is your opportunity to become acquainted with the delights of Dahlia-growing. Enormous flowering kinds, all different, and four of them are brand new—colors are sparkling.

These are the varieties you get in Collection A

Blue Bird. Blue.
Cardinal King. Cardinal-red.
Golden Eclipse. Gold.
Jersey's Beauty. Pink.
Judy. New; lavender-pink.
Kentucky Colonel. New; orange-tan.
Lavender Queen. Lavender.
Marie. Bright pink.
Red Champion. Carmine-red.
White Beauty. White.
Yellow Queen. New; yellow.
Your Lucky Star. Amaranth-pink, white center.

Twelve Exhibition Dahlias as named

Collection B. Twelve Exhibition Dahlias \$4

List value minimum \$6 for

Our selection of splendid varieties in mixture. They do not have name-tags attached, but each is different, and all are large—no miniatures, pompons, or singles. At least one will be from the one dollar price group, and at least one will be a two-color novelty sort, not yet on the market.

Collection C.

Six Exhibition Dahlias, unnamed, \$2.25

Collection C is one-half Collection B, but is otherwise identical. List value minimum \$3.

GLADIOLUS

*The Cream of the World's
Best Varieties*

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, is advisable. For best results, we recommend plants being staked when one foot high. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for exhibition spikes.

May be planted at intervals for a succession of bloom, and those held for planting should be kept cool. Patrons who plant late for September flowers may order in the spring; we will keep corms in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Fifty-two Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM Corona Donna	CREAM-WHITE Lady Jane Leading Lady Shirley Temple Wanda	ORANGE Coral Glow Lantana	SCARLET Dr. F. E. Bennett Excellence Giant Scarlet Pfizer's Triumph	WHITE Giant White Maid of Orleans Myrna Margaret Beaton Polar Ice Snow Princess	YELLOW Gate of Heaven Giant Yellow Golden Dream Yellow Emperor
BLUE, LIGHT Blue Beauty Milford	PINK and SALMON (With decided blotch) Beacon Mrs. Frank Pendleton	LAVENDER-PINK King Arthur Minuet	RED Commander Koehl Harmau New Europe Rewi Falla Valeria	PURPLE King Lear Paul Pfizer	ART SHADES Bagdad Greta Garbo Marmora Mother Machree Vagabond Prince
BLUE, DARK Blue Admiral Pelegria	SALMON-PINK Oregon State Picardy Pink Paragon	LIGHT PINK Camellia Ethel Cave-Cole Jeanie Margaret Fulton Mrs. T. E. Langford Rosa van Lima			
SILVER-GRAY Irak					

Bagdad. *Art shade.* Midseason exhibition sort. Smoky rose, deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 85 cts. for 10, \$6.50 per 100.

Beacon. *Salmon-red.* The flower has a large cream blotch and is very large; it is slightly waved. \$1 for 10, \$7.50 per 100.

Blue Admiral. *Dark blue.* The tall, straight spikes carry many florets that open together. An excellent new midseason variety. \$1.75 for 10, \$15 per 100.

Blue Beauty. *Light blue.* A beautiful flower, with the margins of the petals tipped with violet. \$1.25 for 10, \$10 per 100.

Camellia. *Near-white.* Beautiful blush-white, with a tinge of pink; pinkish veins. \$1 for 10, \$7.50 per 100.

Commander Koehl. *Red.* Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. \$1 for 10, \$7.50 per 100.

Coral Glow. *Orange.* Large plant, and the flowers are most brilliant. Splendid ultra-modern variety. \$1.75 for 10, \$15 per 100.

Corona. *Cream.* New. Charming primrose florets, each with a deeper hued throat. Edges are picoteed a dainty rose. \$1.25 for 10, \$10 per 100.

Donna. *Orange-buff;* a color that is new. There are no markings or suffusions of other tints. Ruffled flowers of heavy substance, and large. \$1.50 for 10, \$12.50 per 100.

Dr. F. E. Bennett. *Scarlet.* Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Tall, stiff stems. \$1 for 10, \$7.50 per 100.

Ethel Cave-Cole. *Pink.* A pure light hue, often flushed darker. Very strong grower. \$1 for 10, \$7.50 per 100.

Excellence. *Scarlet.* Particularly quick to flower. The scarlet is bright and vibrant. \$1 for 10, \$7.50 per 100.

Gate of Heaven. *Yellow.* Leading exhibition sort. Probably the deepest yellow. Nicely formed spike with large, ruffled florets. Early. \$1.25 for 10, \$10 per 100.

WE RECOMMEND: The Best Three Gladiolus For the Home-Garden

Giant Scarlet. *Scarlet.*

Giant White. *Snow white.*

Giant Yellow. *Yellow.*

These are splendid varieties, large and trouble-proof. Advised for the amateur gardener.

They are illustrated on page 64.

Above 3, each \$1 for 10, \$7.50 per 100.

Golden Dream. *Golden yellow,* with tall, straight stems. A variety particularly suited for cut-flowers. 85 cts. for 10, \$6.50 per 100.

Greta Garbo. *Art Shade.* New. The color is a pinkish tan, with an overtone of charming light rose. Large and very beautiful. Should be in the collection of every Gladiolus specialist. \$1.50 for 10, \$12.50 per 100.

Harmau. *Red.* New Australian champion variety. Color is orange-red, with a rosy overtone; throat is a deeper hue. Tall and strong; 6 to 9 flowers are open at one time. \$1.75 for 10, \$15 per 100.

Irak. *Silver-gray.* Great novelty. The large, tall spike has 6 to 8 enormous blooms open at one time, and they are silver-gray—very unusual. \$1.25 for 10, \$10 per 100.

Jeanie. *Pink.* A clear color, with white and cream veinings and throat; often twenty buds on a spike. Splendid exhibition sort. \$1 for 10, \$7.50 per 100.

King Arthur. *Lavender-pink.* Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. The color is most charming, and the variety is definitely one to recommend to the professional and amateur gardener alike. Early. \$1 for 10, \$7.50 per 100.



Gladiolus

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 12.

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

GLADIOLUS, continued

King Lear. *Purple.* New. Clear, deep, rich wine-purple, with an edging of silver. Large and heavily ruffled florets on a strong stem. In a class by itself for size, shape, and color. \$1 for 10, \$7.50 per 100.

Lady Jane. *Cream.* A clear and bright tint, with light yellow lower petals. Magnificent sort and a must for exhibition purposes. \$2 for 10, \$17.50 per 100.

Lantana. *Orange.* A brilliant hue, merging gradually—with a little salmon—into a yellow throat. Medium height. \$2.25 for 10, \$20 per 100.

Leading Lady. *Cream-white.* Giant, vigorous plant for the show table and garden decoration. Sometimes eight florets are open at one time, with sixteen more buds. \$3 for 10, \$27.50 per 100.

Maid of Orleans. *White.* The pure white florets have cream throats. Many florets in bloom at once. Excellent for exhibition. Midseason. \$1 for 10, \$7.50 per 100.

Margaret Beaton. *White.* A wonderful exhibition sort, growing nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermillion in the throat. \$1.25 for 10, \$10 per 100.

Margaret Fulton. *Rose-pink.* A new variety that is large and fine in this ever-popular color. 85 cts. for 10, \$6.50 per 100.

Marmora. *Art Shade.* Lavender-gray with a purple spot. Immense; fine for exhibition. Midseason. \$1 for 10, \$7.50 per 100.

Milford. *Blue.* The color is a sky-blue self, and the variety is remarkable in that nearly always it has 8 to 9 flowers open at one time. One of the best exhibition varieties. \$1.50 for 10, \$12.50 per 100.

Minuet. *Lavender-pink.* The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time. Late. \$1 for 10, \$7.50 per 100.

Mother Machree. *Art Shade.* A smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at once. Midseason. \$1 for 10, \$7.50 per 100.

Mrs. Frank Pendleton. *Pink and salmon.* Salmon-pink on the reverse side of the petals as well as in the center, with a deep maroon blotch on the three lower petals. Midseason. \$1.25 for 10, \$10 per 100.

Mrs. T. E. Langford. *Pink.* Tall and vigorous variety of attractive apple-blossom-pink, flaked canary-yellow in the throat. As many as 10 florets open at one time. Late. \$1.25 for 10, \$10 per 100.

Myrna. *White.* Splendid large, ruffled pure white florets. A vigorous exhibition variety. \$1.25 for 10, \$10 per 100.

New Europe. *Red.* Giant variety; splendid brilliant hue. Strong grower, and a good exhibition sort. \$1.25 for 10, \$10 per 100.

Oregon State. *Pink.* The best in this color. Lighter than Picardy and it has a cream-colored throat instead of a darker blotch. New, and outstanding in every way. \$1.50 for 10, \$12.50 per 100.

Paul Pfitzer. *Purple.* Fine reddish purple, many florets opening at once; vigorous. Midseason. \$1.50 for 10, \$12.50 per 100.

Pelegrina. *Dark blue.* One of the finest dark blue-violet varieties with large individual florets. Early. \$1 for 10, \$7.50 per 100.

Pfitzer's Triumph. *Scarlet.* Blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and size make this a fine exhibition sort. Late. \$1.50 for 10, \$12.50 per 100.

Picardy. *Salmon-pink.* The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. Midseason. \$1 for 10, \$7.50 per 100.

Pink Paragon. *Salmon-pink.* A fine new vivid pink with a creamy throat; medium size, wide-open flowers in long flower-heads. Thoroughly reliable and one of the best pink Gladiolus yet produced. \$2.25 for 10, \$20 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. \$1 for 10, \$7.50 per 100.

Rewi Fallu. *Dark red.* Very brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. The finest deep blood-red Gladiolus. \$1 for 10, \$7.50 per 100.

Rosa van Lima. *Light pink.* Pure self-colored light pink, with many flowers open at one time on fine, strong, straight stems. Fine clear pink without a trace of salmon. \$1 for 10, \$7.50 per 100.

Shirley Temple. *White* with cream throat; the flowers are large, and beautifully ruffled. As many as 12 open at one time. \$1 for 10, \$7.50 per 100.

Snow Princess. *White.* Finest new white kind, with a light cream-white throat. Large, and of splendid exhibition shape, tall and straight. Six or more blooms open at once. \$1.25 for 10, \$10 per 100.

Vagabond Prince. *Art Shade.* The florets are a shining reddish brown color, and on the lower petals there is a splash of vermillion. An interesting color combination, and a fine sort. \$1 for 10, \$7.50 per 100.

Valeria. *Light red.* A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$1.25 for 10, \$10 per 100.

Wanda. *Cream-white.* A most valuable sport from Picardy. Flowers are of good size, most shapely, and of the finest exhibition quality. \$1 for 10, \$7.50 per 100.

Yellow Emperor. *Yellow.* The florets are self-colored, and about the same hue as King Alfred daffodil; handsome spikes. \$1.25 for 10, \$10 per 100.



Lily-of-the-Valley

American Hybrids Mixed

We include a splendid variety of named sorts. The popular price warrants liberal planting. Well matured and good; excellent for cut-flower purposes or mixed borders. 75 cts. for 10, \$6 per 100, \$55 per 1000.

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us have been treated to control thrips. On their arrival, however, we recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the tips.
2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Gladiolus Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks.

When Bulbs Are Lifted

4. In autumn, burn the tops cut from the lifted corms. Place corms in a low, but not freezing, temperature for six weeks.
5. Next cover with paper, first dusting through them one pound of Thripco to each 1000 corms; or you may use Naphthalene Flakes. Avoid containers with close-fitting lids; ventilation is necessary.
6. At the end of one month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

LILY-OF-THE-VALLEY

Dainty perennial, much valued for its pure white fragrant flowers in spring. It is hardy, very easily grown, preferring partial shade and moderately rich soil.

For outdoor planting we recommend the use of individual roots or "pips," rather than clumps. They should be two years old, and may be set out at intervals of 4 inches each way. We offer high-quality pips. 10 pips 75 cts., 25 pips \$1.75, 100 pips \$6.

For growing indoors, in the greenhouse or home, we offer specially fine refrigerated forcing pips. 10 pips \$2.25, 25 pips \$5, 100 pips \$18.

BULBS IN COLD STORAGE

For planting in your greenhouse by July 1 for Thanksgiving and Christmas blooming, we offer:

Selected Large Bulbs

Lilium speciosum album. Per case of 50 bulbs, \$65.

Lilium speciosum magnificum (rubrum). Per case of 50 bulbs, \$45.

Lilium Henryi. Per case of 50 bulbs, \$30.

For blooming outdoors in September:

RETARDED GLADIOLUS. Select your varieties and order them in April or earlier; we place the corms in our cold-storage warehouse for you and deliver them around July 1. No extra charge. Planting time is July 1-15.

HARDY LILIES

Lilies are so beautiful, and many so fragrant, that you may think them hard to grow, but most of the following varieties are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in General Garden Fertilizer; plant the bulbs in groups of three or more of a kind,

setting them on a 1-inch layer of sand to provide adequate drainage.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base on top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

SIX EXCELLENT VARIETIES

Easiest to grow. Most reliable. Most effective. Four shown in color on page 63.

Centifolium Hybrids. Immense white trumpets borne on stems up to 8 feet in height. Delightfully fragrant. White inside; the external colors vary from emerald-green to pink-purple. Plant in light shade about 5 inches deep in well-drained soil; give slight protection in coldest parts of the country. They bloom in July and August. 70 cts. each, \$6 for 10, \$50 per 100.

Speciosum album (White Orchid Lily). This most beautiful of Lilies flowers outside in August. Blooms are white with a green tinge at the base of the petals; very fragrant and easy to grow. Among shrubs or perennials is a good place for it. \$1 each, \$9.50 for 10, \$90 per 100.

Speciosum magnificum (Showy Lily; Oriental Orchid). Frosted white, spotted, clouded and bordered with crimson. Blooms outside in August. Really handsome. 4 to 5 ft. 80 cts. each, \$7.50 for 10, \$70 per 100.

Philippinense formosanum. A slender, graceful trumpet Lily growing 3 to 4 feet high. The flower is pure white with an emerald-green throat shaded outside with violet. Delicious fragrance. Foliage is plentiful and the stems are extra strong. They begin blooming in August and continue until stopped by frost. Plant 5 to 6 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Henryi (Yellow Speciosum). Vigorous, 6 to 8 feet high, with bright apricot-yellow flowers (more than twenty on a plant) in July and August. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Regale (Royal Lily). Enormous alabaster trumpets are tinged with rose outside and suffused with gold within. Stem-rooting; plant 6 to 8 inches deep in good well-drained soil. Grows 4 to 6 feet tall. Blooms July.

	Each	10	100
First size.....	\$0 30	\$2 75	\$25 00
Mammoth Bulbs.....	40	3 75	35 00
Jumbo Bulbs.....	60	5 00	45 00
Monster Bulbs.....	70	6 50	60 00

OTHER GOOD LILIES

Auratum. Stately Lilies growing 3 to 6 feet high. One plant bears twenty or more large, fragrant flowers 8 to 10 inches in diameter, in August. White spotted deep red, with a bright yellow band running through the center of each petal. Plant 9 to 12 inches deep. Stem-rooting. \$1.50 each, \$14 for 10, \$130 per 100.

Canadense rubrum. Giant sprays of nodding bell-like orange-red blooms on 3 to 5-foot stems in July. Stem-rooting. Plant 8 inches deep in full sun or light shade. Keep roots cool with ground cover. 40 cts. each, \$3.50 for 10, \$30 per 100.

Canadense flavum. Like above but has pale yellow flowers. 40 cts. each, \$3.50 for 10, \$30 per 100.

Concolor (Star Lily). Lovely star-shaped vermillion Lily 1½ inches long, slightly fragrant, borne erect on 1½-foot stems in June and July. Good in the sun in rock-gardens. Plant about 3 inches deep. 45 cts. each, \$4.50 for 10, \$35 per 100.

Davidi. Showy, nodding 3-inch cinnabar-red or scarlet blooms, spotted with black, on 4 to 5-foot stems in July. Turk's-cap type of bloom, brighter in color than the Tiger Lily. Plant 6 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Davuricum. See Umbellatum.

Maxwill. *L. Maximowiczii* × *L. Willmottiae*. Reflexed bright red flowers, with orange-red stamens, that look one straight in the face. Thirty or more large flowers are carried on a spike. A profuse bloomer, free from most Lily diseases. Blooms in late July. Height 6 feet. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Philadelphicum (Wild Wood Lily). Showy 4-inch, cup-shaped, bright orange-red flowers spotted with purple, borne erect on 1 to 2-foot stems in July. Plant 5 inches deep in dry sandy location with partial shade. 40 cts. each, \$3.50 for 10, \$30 per 100.

Superbum (Turk's-Cap Lily). It grows 5 to 8 feet high, with an immense cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil; best in partial shade. Blooms in July. 25 cts. each, \$2.25 for 10, \$20 per 100.

Tenuifolium (Coral Lily). Graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Height 1 to 2 feet. Likes damp soil among rocks, with access to sunlight. Plant 6 inches deep. 25 cts. each, \$2.25 for 10, \$20 per 100.

Tenuifolium, Golden Gleam. Beautiful golden yellow form of the preceding. Blooms at the same time. 35 cts. each, \$3.25 for 10, \$30 per 100.

Tigrinum splendens. The Tiger Lily is well known; showy, spotted red-orange flowers in August. 4 to 5 ft. Easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 35 cts. each, \$3.25 for 10, \$30 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 35 cts. each, \$3.25 for 10, \$30 per 100.

Umbellatum grandiflorum erectum. Vivid orange-scarlet flowers held upright on 2-foot stems are borne in June. Plant 4 to 6 inches deep, in full sunlight, in well-drained soil. 60 cts. each, \$5.50 for 10, \$50 per 100.

Umbellatum, Golden Fleece. The yellow form of the above. 70 cts. each, \$6 for 10, \$55 per 100.

Willmottiae. The 3 to 4-foot stem in July and August bears fifteen to twenty brilliant orange-red flowers measuring 3 inches across with recurved petals freely dotted with brownish spots. Needs staking. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.



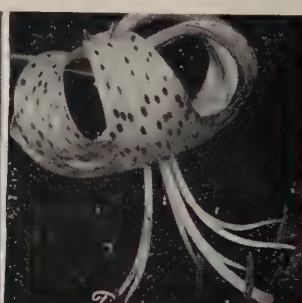
Tenuifolium



Canadense



Superbum



Tigrinum splendens

FOUR FINE *Lilies*

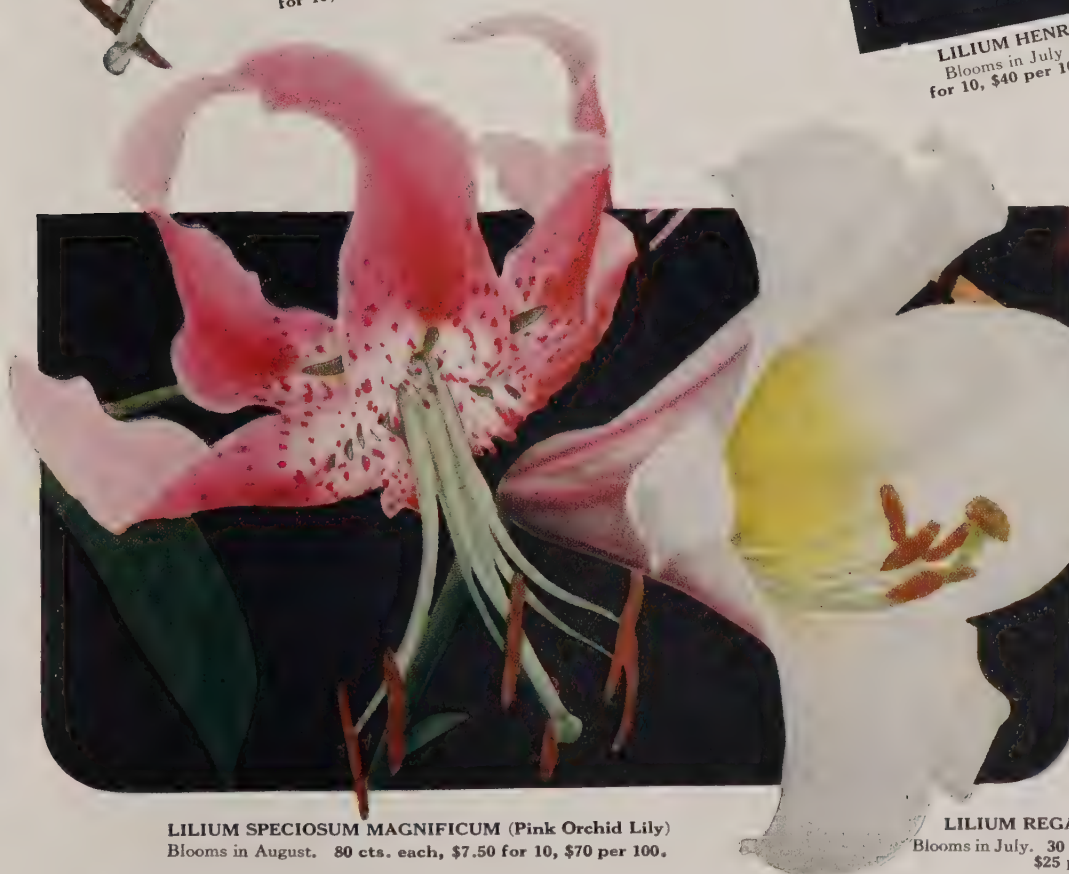
Easy to Grow



LILIUM SPECIOSUM ALBUM
(White Orchid Lily)
Blooms in August. \$1 each, \$9.50
for 10, \$90 per 100.



LILIUM HENRYI (Yellow Speciosum Lily)
Blooms in July and August. 50 cts. each, \$4.50
for 10, \$40 per 100.



LILIUM SPECIOSUM MAGNIFICUM (Pink Orchid Lily)
Blooms in August. 80 cts. each, \$7.50 for 10, \$70 per 100.



LILIUM REGALE (Royal Lily)
Blooms in July. 30 cts. each, \$2.75 for 10,
\$25 per 100.

**Plant
Bulbs
in April
or May**

**For Gorgeous
Summer Bloom**

We offer these fine Lily bulbs in pre-war quality and at reasonable prices. Imported from Holland are top-size bulbs of *Lilium speciosum album*, *Henryi*, and *speciosum magnificum*. *Lilium regale* has for some years been produced in our own country. These four are the most satisfactory Lilies for every garden.

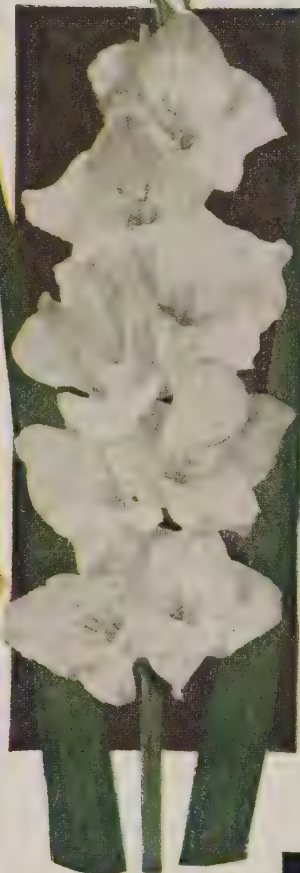
Easy to Grow BULBS

THREE FINE GLADIOLUS (Sword Lilies)



**GLADIOLUS
Giant Yellow**

Handsome shining gold.
\$1 for 10, \$7.50 per 100.



**GLADIOLUS
Giant White**

Fine pure white variety.
\$1 for 10, \$7.50 per 100

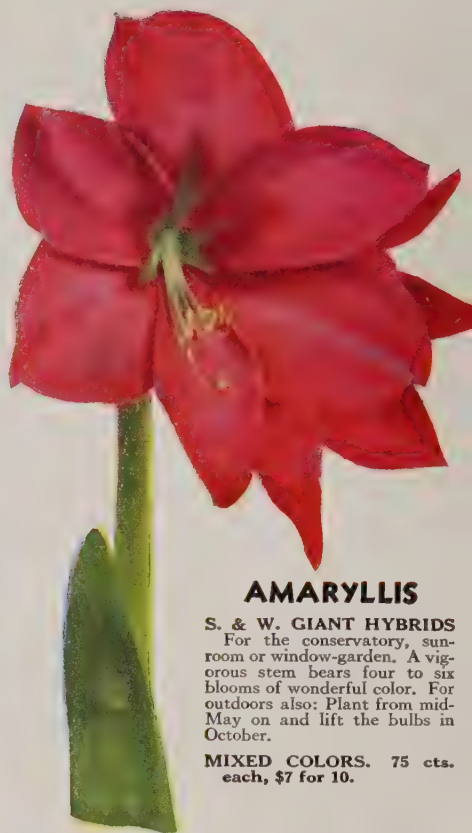


**GLADIOLUS
Giant Scarlet**

Large, blood-color
flowers. \$1 for 10, \$7.50
per 100.

MIXED GLADIOLUS American Hybrids

Splendid variety; large
flowers. 75 cts. for 10,
\$6 per 100, \$55 per 1000.



AMARYLLIS

S. & W. GIANT HYBRIDS

For the conservatory, sun-
room or window-garden. A vig-
orous stem bears four to six
blooms of wonderful color. For
outdoors also: Plant from mid-
May on and lift the bulbs in
October.

MIXED COLORS. 75 cts.
each, \$7 for 10.



OXALIS (American Shamrock)

Plant along walks or edge flower-beds with them. The
blossoms close, and the clover-like leaves fold up at
night. 9 in. 45 cts. for 10, \$4 per 100, \$30 per 1000.



CALADIUM (Fancy-Leaved)

Plant when frost is over, or grow indoors.
50 cts. each, \$4.50 for 10, \$35 per 100.



TIGRIDIA (Mexican Shellflower)

Curious and beautiful spotted flowers. Known
also as the "Tiger Flower." Treat as you would
gladiolus; give an abundance of water; plant in
sun. Splendid mixture, \$1 for 10, \$9 per 100.



Acidanthera

ACIDANTHERA MURIELIAE

Abyssinian Sword Lily

Akin to gladiolus, this is a stiff 3½-foot plant bearing open spikes of cream-white florets in August and September, each petal having a suffused pink blotch at the base. A valuable perfumed cut-flower. 50 cts. each, \$4.50 for 10, \$40 per 100.

AMARYLLIS *Giant Hybrids*

For the window-garden; easily managed. Wonderful colors. Pot up bulbs, as soon as received, in good garden loam, enriched with a handful of fertilizer; water and store in a dark place in a temperature of 50 to 60 degrees for 4 weeks until well rooted, then put in full light. May be grown outdoors in summer.

White Grounds. Striped pink and red.
Scarlet Shades. Crimson Shades.
Any of above, **Large Bulbs, \$1.00 each,**
\$9.50 for 10, \$90.00 per 100

Mixed Colors. 75 cts. each, \$7 for 10, \$60 per 100.

LEOPOLDII GOLD MEDAL STRAIN. (Dutch.) Exhibited at the New York Flower Show and pronounced by experts to be the most desirable addition to the Amaryllis family. We offer: **Orange, Scarlet, Crimson, Salmon and White.** \$3.50 each, \$32.50 for 10, \$300 per 100.

HALLI (Lycoris squamigera). Produces foliage which grows until July when it disappears. About a month later the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of 8 to 12 large, lily-shaped flowers of a delicate lilac-pink shade. The bulb is perfectly hardy. Cover crown about 4 inches. \$1.50 each, \$13.50 for 10, \$130 per 100.

CALLAS

Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladiolus. Excellent pot-plants for the conservatory or home.

Golden Yellow (Richardia Elliottiana). Best Yellow Calla; its flowers are a rich, lustrous golden hue. The foliage is dark green, with creamy white spots. 50 cts. each, \$4.50 for 10, \$40 per 100.

Pink (Zantedeschia Rebmanni). A lovely dwarf Calla. Rose-pink flower, maturing cerise. Selected bulbs, 60 cts. each, \$5.50 for 10, \$50 per 100.

WHITE. First-size bulbs, 35 cts. each, \$3 for 10, \$25 per 100. Mammoth bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated

BEGONIAS TUBEROUS-ROOTED

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas.

Bulbs may be lifted in autumn, stored in a cool damp place over winter.

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower. These are most brilliant; the illustration on the inside back cover of this book gives some idea of their beauty.

Apricot Pink White Mixed
Scarlet Crimson Yellow

COLLECTION: Five bulbs, one each of five of the above colors, our selection \$1.50.

Single Frilled and Ruffled

We offer this delightful new type as a pleasing variation to the plain-edged kind.

Apricot Pink White Mixed
Scarlet Crimson Yellow

Multiflora

Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. Height 15 inches.

We offer a select Mixture of colors, consisting of Rose-pink, Salmon-orange, Red and White.

Bulbs any of above three classes of Begonias, 35 cts. each, \$3 for 10, \$25 per 100.

ANEMONE *Excelsior Mixture*

Single flowers, in brilliant hues of blue, white and scarlet. Plant outdoors about April, in well-drained soil. For greenhouse culture also. 70 cts. for 10, \$6 per 100.



Calannas in Border



Caladium esculentum (Elephant's Ear)

CALADIUM ESCULENTUM

Elephant's Ear

One of the most effective plants for beds, borders or for planting out upon the lawn. Very frequently used as border plants; their large, rich green leaves are often 4 feet long and 2½ feet wide. Plant outdoors from May 15 on.

	Each	10	100
Jumbo-size bulbs...	\$0 45	\$4 00	\$30 00
Mammoth-size bulbs...	35	3 00	20 00

FANCY-LEAVED CALADIUMS

Few summer foliage plants equal the Fancy-leaved Caladiums in their gorgeous, yet soft, coloring. All the varieties are ideal for furnishing the conservatory during the summer months, or even for outdoor bedding in semi-shady positions. Bulbs do best if started in pots, one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

Choice named varieties, or a mixture of colors, at your option. 50 cts. each, \$4.50 for 10, \$35 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York. Set about 2 feet apart. Dorn ant roots may be planted outdoors in May.

Hungaria. Salmon-pink. Green foliage. 4 ft.
King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. 5 ft.

Richard Wallace. Yellow. Green foliage. 5 ft.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. 5 ft.

Selected roots, any of above,
25 cts. each, \$2 for 10, \$15 per 100

Mixed. All colors. 20 cts. each, \$1.50 for 10, \$12.50 per 100.

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated



Dicentra

DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

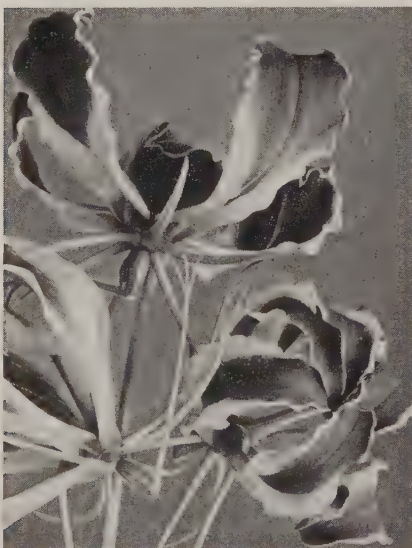
An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. Clumps, 75 cts. each, \$7 for 10, \$65 per 100.

GLORY LILY

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow; plant in a sunny position, and water generously in dry weather. Pinch to produce bushy plants for an unusual flower-bed. \$1 each, \$8.50 for 10, \$75 per 100.



Gloriosa Rothschildiana

GLOXINIA

Handsome summer-blooming, tuberous-rooted plant. Ideal for pot-culture. Use care in watering and give good drainage. The cultural directions for begonias might also be followed for Gloxinias.

Blanc de Meru. Rose, with white throat.

Emperor Frederick. Scarlet, with white border.

Emperor William. Violet, with white border.

Etoile de Feu. Scarlet.

Mont Blanc. White.

Prince Albert. Purple-blue.

Roi des Rouges. Crimson.

Tigrina. Spotted; various colors.

Choice Mixed.

Any of above, 45 cts. each, \$4 for 10, \$30 per 100

MADEIRA VINE

Climbing Mignonette. Will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 20 cts. each, \$1.50 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection over winter of leaves or litter if planted in a permanent location.

Apricot Queen. Rich golden apricot. One of the first to bloom. Strong grower. 3 ft.

Comet. Large star-shaped flower of fine substance, rich deep golden orange, with a broad band of blood-crimson and a yellow center. Dark stems. 2½ ft.

His Majesty. A glorious variety. Flowers measure 4 inches across, deep velvety scarlet shading to gold; reverse of petals is crimson shading to gold. 4 ft.

James Coey. Large open flowers of rich vermilion suffused with golden orange; yellow center with crimson blotches. 3 ft.

Lady Wilson. Very large bright yellow flowers with an orange sheen. 3½ ft.

Red Knight. Large star-shaped flowers of rich vermilion, shading to gold at center, heavily overlaid with maroon; reverse of petals crimson and orange. 3 ft.

Any of above, 35 cts. each, \$3 for 10, \$22.50 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

S. & W. Co.'s Jewel Mixture. Contains yellow sorts of various shades, oranges, apricots and scarlets; many flowers are blotched with deeper colors.

Above 5, 20 cts. each, \$1.75 for 10, \$12.50 per 100

RANUNCULUS • Buttercup

Tecolote Mixed. Giant double and semi-double flowers in orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a winter mulch. 70 cts. for 10, \$6 per 100, \$55 per 1000.

TIGRIDIA

Mexican Shellflower

This grows well in the open ground in summer as far north as New England and gives a continuous display. You will find an illustration in color of this plant on page 64.

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. \$1 for 10, \$9 per 100.



Tuberose, Excelsior Double Pearl

OXALIS

Excellent summer-blooming bulb; fine for edging the borders of walks or flower-beds.

American Shamrock. Pink flowers; clover-like leaves spotted maroon. Shown in color on page 64.

Deppei alba. Small white flowers. Mostly four-leaved-clover-like foliage. Ideal companion to the American Shamrock.

Above 2, 45 cts. for 10, \$4 per 100, \$30 per 1000

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering later in the open, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Selected Bulbs, 25 cts. each, \$2 for 10, \$15 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Candida. Pure white; flower very beautiful and a profuse bloomer. 75 cts. for 10, \$5 per 100.

Rosea. Beautiful clear rose; flowers large and very handsome. \$1 for 10, \$9 per 100.

THESE HARDY PERENNIAL PLANTS ARE PRODUCED IN OUR OWN GARDENS

Our Perennial Plants are propagated in our nurseries at Farmingdale, Long Island, where the climate is conducive to rugged plants. Here we have humid summers and cold, wet winters with bitter winds.

These extremes of weather produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so. You may plant them with every confidence.



Aconitum Fischeri



Anthemis, Thora Perry



Fall Anemones

ACONITUM. *Monksblood.* Very effective in shady places. Requires a woody soil. Root is poisonous.

Fischeri. Blue flowers. 3 to 4 ft. Sept.

Napellus. Rich dark blue. 4 ft. Aug.

Sparks' Variety. Deep violet-blue. Very stately, growing up to 5 feet.

Above 3 varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ÆTHIONEMA, Warley Rose. *Rock-Daphne.* ★ Rich pink. Resembles a miniature Daphne; very choice. 4 to 6 in. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or partial shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Multicolor. ★ Leaves are multicolored, varying from dark green to red, white, and yellow. 4 to 6 in.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Fine for the edges of paths and walks. 6 to 9 in. June, July.

ALYSSUM. *Basket of Gold.* Sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

Silver Queen. ★ Lemon-yellow. 1 ft. May.

ANCHUSA. *Alkanet.* These rank among the best blue summer-flowering plants.

Italica, Dropmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July.

Myosotidiflora. ★ Produces sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARENARIA montana. *Sandwort.* ★ A fine rock-plant; large snow-white flowers in early spring. Excellent for walls.

Fall Anemones • Windflower

Thriving in sun or partial shade, they produce a charming picture from early September to late October. They revel in a woody soil, i.e., rotted leaves, peat, etc.

***Alice.** Large, semi-double, rose-pink. Strong grower. 2 to 2½ ft.

Huopenhensis. Early. Rose-mauve. 1½ ft.

***Marguerite.** Double, dark pink. 3 ft.

***Marie Mauchard.** Semi-double, white. 3 ft.

Queen Charlotte. Beautiful, large silvery rose flowers. 3 ft.

Rosea superba. Large rose flowers. 3 ft.

September Charm. Rosy pink. Very floriferous and popular. 2 ft.

***September Queen.** A gem. Semi-double rose-red. Very floriferous. 2 ft.

Rubra. Dark crimson. 2 ft.

***Whirlwind.** Pure white, double. Very strong variety. 2½ ft.

Above Anemones, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

5 plants, one each marked *, \$2.25; 15 plants, 3 each, \$6.50

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

ANTHEMIS. *Chamomile.* A lovely summer-flowering plant with elegant, finely cut foliage. Fine for cutting.

Thora Perry. English novelty; bright yellow flowers. 3 ft. July, Aug. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARABIS. *Rock-Cress.* ★ Make a wonderful display; good for rock-gardens and edgings for paths and borders.

Albida fl.-pl. Pure white, fully double flowers, sweetly scented and resembling stocks. 9 in. May.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

Snowcap. Compact habit, with single white blossoms. 6 to 9 in. April.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable charm. Graceful spurred flowers, often two-colored, on long stems, are produced mostly in early summer. All are excellent for cutting.

Super-Spurred Colossal

A strain of gigantic-sized blooms, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

Blue Shades **Yellow Shades**

Rose and Pink Shades **Scarlet Shades**

Copper Shades **Sawco Hybrids**

Longissima. Bright yellow, with spurs 3 to 4 inches long. 2½ ft. Usually blooms late, from July on. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARMERIA. *Thrift; Sea-Pink.*

Bees' Ruby. Large flowers are borne on long stems. Color is brilliant ruby-red. 1½ ft. May-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Cæspitosa. Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June.

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

BOLTONIA. *Bolton's Starwort.* These have the appearance of Michaelmas daisies, but flower in August.

Asteroides. Single; white. 5 ft.

Latisquama. Lilac-pink. 5 ft.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

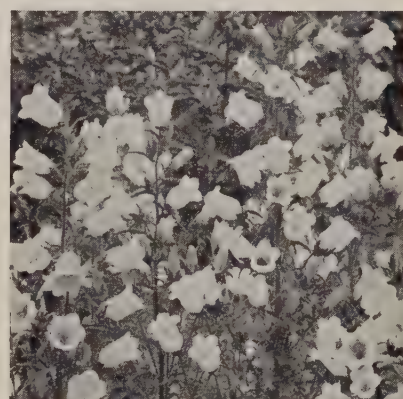
★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Aster, Harrington's Perfected Pink



Boltonia latisquama. See page 67.



Canterbury Bells

Easy to place them, because the height is shown on these pages. Average distance apart is 1 foot; tall, bushy or spreading types at wider intervals; dwarfier ones closer together.

To fill bare space the first year, sow seeds of Annuals; one or more of the Collections described at the end of the Flower Seed Section will be found most helpful in this regard.

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novae-angliae.

Harrington's Perfected Pink. The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mt. Rainier. Pure white. A rare and beautiful novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Red Cloud. Pure deep pink. A rare and very fine novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Novi-belgi. All varieties flower in September and October.

Little Boy Blue. Bright blue semi-double flowers. 1½ ft.

Little Pink Lady. Large, semi-double, rich pink flowers. 1½ ft.

Mount Everest. Large, pure white flowers in great profusion. 4 ft.

Palmyra. Fine double pink.

Queen Mary. Very large, soft lilac-blue flowers with golden centers. 4 to 5 ft.

Red Rover. Deep rosy red with golden center. 3 to 4 ft.

Royal Pink. A beautiful bright pink. Compact habit. 3 ft.

Strawberries and Cream. The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft.

ASTER, Various Species.

Alpinus, Goliath. ★ Large blue flowers with orange centers. 1 ft. June.

Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hybridus luteus. Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

ASTER, VIOLETTA. Novelty. Masses of beautiful flowers in September and October; highly recommended. 3 to 4 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ASTER, Dwarf Hybrids.

Countess of Dudley. ★ Clear pink.

Snowsprite. ★ Pure white.

Victor. ★ Pale blue.

ASTILBE. *Spiraea.* These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Amethyst. Deep violet-purple. 2 ft. June.

Berristol. Fine white. 3 ft. June.

Deutschland. Beautiful pure white.

***Fanal.** Large heads of vivid vermilion blooms. Fine foliage. 2 ft. June, July.

***Gladstone.** Fine white. 1½ ft. June.

***Gloria superba.** Dwarf. Deep pink. 2 ft. June.

Rhineland. Delicate pink. 2 ft. June.

Above Astilbes, 60 cts. each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS

3 plants, 1 each marked *, \$1.75;
9 plants, 3 each, \$5

CHRYSOGONUM virginianum. *Golden Knee.* ★ Ground-cover for sun or partial shade. Grows 4 to 6 inches high and requires a rich woody soil. Bright starry golden yellow flowers are produced from May to August; dark green foliage.

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, intensely fragrant flowers in May, and again in September. It prefers a sandy, peaty soil. 9 to 12-in. plants, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

THE WELCOME GIFT

Of our thousands of merchandise items, many make ideal PRESENTS for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—perennials, a collection of seeds, new dahlias, perhaps; roses, Epicure foods or some garden gadget.

A good idea is to purchase, for the amount you desire to spend, a *Gift Check*, good any time for any thing your friend selects. Give us the address and the amount; we do the rest. If time is short, wire or phone us.

Campanula • Bellflower

These beautiful plants are for the rockery and border. They are of easy culture.

Carpatica. ★ A compact-growing plant 6 inches high. Large clear blue flowers. July.

Carpatica alba. ★ White twin of the above.

Garganica. ★ Trailing habit. Covered with deep blue, starry flowers in July.

Olympica. Very graceful like an enlarged Harebell. 30 in. June, July.

Persicifolia alba. Snow-white bells 1½ inches in diameter produced on long, wiry stems. 3 ft. June.

Persicifolia, Blue Spire. Very attractive spikes of opalescent blue on strong, sturdy stems. Double flowers. 3 ft. June, July. 65 cts. each, \$1.85 for 3, \$7 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July.

CANTERBURY BELLS. These grand old-fashioned border plants provide a wealth of blooms in June and July.

Offered with single flowers:

Blue Pink White Mixed



Daphne Cneorum (Garland Flower)

CORONILLA cappadocica. A trailing plant with a profusion of golden pea-shaped flowers. July, Aug.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

CHRYSANTHEMUMS

Mulch them over the winter; dig up and replant every spring, working General Garden Fertilizer into the soil.

Early Super-Hardy Race

New!

These all flower very early, and when established they begin to bloom in August, carrying through to early October.

Charming Semi-double Kinds

Pipestone. Red-bronze. 18 in.
Redwing. Pompeian red. 18 in.
Sunred. Bright Brazil red. 2 ft.
Waterlily. Pure white. 18 in.

Stunning Double Kinds

Butterball. Lemon. Large flowers. 18 in.
Chippewa. Wine color. Large. 2 ft.
Dean Kay. Rose-pink. 2 to 2½ ft.
Dean Ladd. Extra-large orange-yellow. 2½ ft.
Glacier. Extra-large white. 2 ft.
My Lady. Large orange-yellow. 2 ft.
Harmony. Strawberry-pink. 18 in.
Welcome. Bright mallow-purple. 2 ft.

Above early-flowering types, 60 cts. each,
\$1.75 for 3, \$6.75 per doz.

COLLECTIONS

12 plants, 1 each of above, \$7
36 plants, 3 each of above, \$20

Late-Flowering Types

The following are beautiful autumn-flowering types, with lavish displays during September and October. All have good foliage, and, unless stated otherwise, they average 2½ to 3 feet in height.

Single Varieties

North Star. *New.* Pure white. Starts blooming mid-Sept. through five or six weeks. For garden decoration and cutting.
Kristina. Large; brilliant red.

Double Korean Chrysanthemums

Burma. *Novelty* of great merit; compact and very floriferous. Bright bronze, orange and copper overtones. Late Sept.
Burgundy. Stiff, strong stems. Rich, glowing wine-color. Large flowers.
Eugene Wander. A large-flowered golden yellow, blooming early in the autumn.
Lavender Lady. One of the largest doubles; flowers are 4 inches in diameter, of an exquisite lavender-orchid.
Mrs. P. S. du Pont. Soft peach-pink with salmon-fawn overtones.

Cushion Chrysanthemums

Perfect mound-like habit with hundreds of flowers. Blooms from late August on.
Bronze Red Yellow White Pink

Pompon Chrysanthemums

Harbor Lights. Pale cream-yellow, soft yet sparkling. Sept. 25.
Mandalay. Brilliant orange-bronze; ideal for cutting. Oct. 1.
Irene. Often has 300 white buttons on a plant; long stiff stems. 2½ ft. Oct.
Judith Anderson. Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.

CHRYSANTHEMUM maximum. *Shasta Daisy.* Flowers are glistening white, and with most varieties are produced in June and July. All are of very easy culture and most suitable for cutting.

Majestic. *Novelty.* Enormous saucer-size flowers are produced freely on strong stems. Midsummer. 2½ ft. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Beauty of Nivelloise. The large flowers have two rows of lacinated florets. 2 to 2½ ft. Flowers all summer. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Esther Reed. Large double pure white flowers on sturdy stems. Perfect for cutting. Blooms all summer. 1½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHRYSANTHEMUM Leucanthemum, White Swan. A double white Ox-eye Daisy flowering in June and July. 2½ ft.

CHRYSANTHEMUM nipponicum. A very hardy shrubby specimen with large leathery leaves and 2-inch, pure white flowers in late August. 2½ ft.

COREOPSIS. Tickseed. Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

Mayfield Giant. An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.

Perry's Variety. Beautiful semi-double flowers of rich golden yellow. 2½ ft.

Verticillata. ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.

CYNOGLOSSUM nervosum. Choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

DIANTHUS. Garden Pinks. Plants of compact habit with fragrant flowers.

Beatrix. ★ Light salmon-pink, exquisitely scented flowers from May to Nov: 9 in.
Bobby. ★ A gem; deep pink flowers, each with a crimson ring in the center.

Her Majesty. ★ Large pure white, intensely fragrant flowers. 1 ft. June.

Little Joe. ★ Flowers all summer and fall. Beautiful gray-green foliage, with large single rich crimson flowers. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

New Blue. ★ Foliage is dark green. Flowers lavender-blue, resembling a sweet william, and profusely borne on 9-inch trusses. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Scotch or Florists' Pinks. ★ Wide color-range; single and double. 1 ft. June.

Silvermine. ★ *Novelty.* Like Beatrix except that the flowers are pure white.

DICENTRA. Bleeding-Heart.

Eximia. Fringed Bleeding-Heart. ★ Dwarf heart-shaped plant with fern-like leaves and rose-pink flowers. 1 ft. Apr. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Spectabilis. Old-time Bleeding-Heart. Beautiful pink flowers. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

DIGITALIS. Foxglove. Valuable plants for borders, woods, and wild gardens, with lush foliage and long spikes of beautiful tubular flowers. Useful subjects for the shaded portions of your border.

Giant Shirley. A mixture of pink, white, purple, yellow. 5 to 6 ft. June.

DELPHINIUMS

Perennial Larkspurs

The king of border plants. Easy to grow, despite reports to the contrary. Provide well-drained soil; give bonemeal and careful additional feedings of our General Garden Fertilizer. Spray with Bordeaux. For mildew, dust with sulphur.

Super Gold Medal Hybrids. A splendid color-range from light blue to deep purple. Yearling plants, \$1.30 for 3, \$5 per doz.; 1-yr. plants, \$1 each, \$2.90 for 3, \$11 per doz.; 2-yr. plants, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Belladonna. Clear turquoise-blue with a glistening sheen. \$1.20 for 3, \$4.75 per doz.; 2-yr.-old plants, \$1 each, \$11 per doz.

Belladonna, Cliveden Beauty. Sky-blue flowers on large spikes. 4 ft. July.

Bellamosum. A dark blue form of Belladonna.

Chinense. Deep blue flowers and finely cut foliage. 2 ft. July.

Chinense album. A white form of the above.

PACIFIC HYBRIDS. These plants with their very fine foliage and long, well-balanced spikes of flowers, are extremely vigorous and very resistant to disease.

***Blue Jay.** Blue with gray overtones.

***King Arthur Series.** Royal violet.

***Guinevere Series.** Light lavender-pink.

***Summer Skies Series.** Clear light blue.

White Series. Clear glistening white.

Above Pacific Hybrids, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

COLLECTION

4 plants, 1 each of the varieties marked *, \$2.80

Round Table. Noble mixture of all colors. (Pacific Hybrids.) Yearling plants, 65 cts. each, \$1.90 for 3, \$7.25 per doz.

SPECIAL. Large two-year-old clumps of Round Table Series (Noble mixture). Balled and burlapped, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

DORONICUM. Leopard's Bane. Handsome early-flowering perennials of easy culture in ordinary garden soil, in sun or semi-shade. Excellent for cutting.

Clusi. ★ Bright yellow flowers on 9-inch stems. May.

Excelsum. Yellow flowers 2 to 3 inches in diameter on 2½-foot stems. May.

ECHINOPS Ritro. Globe Thistle. Handsome, silvery, thistle-like foliage and metallic-blue flowers. 3 to 4 ft. July.

Taplow Blue. Heads of brilliant blue flowers. Good for cutting. 3 to 4 ft. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

EUPATORIUM. Hardy Ageratum; Boneset. Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Ageratoides. Pure white flowers and dark green leaves. 2 ft. Aug.

Cœlestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★Dwarf plants for the Rock-Garden and edging the Perennial Border



Gaillardia

FUCHSIA, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Plantain Lily.* Hardy subject that is especially suitable as a foliage plant in dark and shady places. July.

Fortunei robusta. Glaucous green foliage. Lilac-blue flowers. 2 ft.

Lancifolia albo-marginata. Green-white variegated leaves. Blue flowers. 2 ft.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 1½ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gaillardia • Blanket Flower

Produces a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Goblin. A dwarf variety. Bright yellow flowers with a deep red zone. 12 to 15 in.

Portola. Coppery scarlet flowers margined with gold. 2½ ft.

S. & W. Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

Above 3, each, \$1.30 for 3, \$5 per doz.

Mr. Sherbrook. Fine variety with large flowers of pure yellow, on long stems. 2 ft.

Ruby. A ruby-red companion of Mr. Sherbrook; effective planted together. 2 ft.

Above 2, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Delightful Fragrance of an Old-World Garden

Capture it by planting Scented Geraniums. See page 27.

Also other perfumed herbs and perennials like Bee-Balm, Carnation, Lavender, Lemon Verbena, the Mints, Pinks, Scabiosa, the Thymes, Woodruff.

Bulbs like Lilies, Lily-of-the-Valley, Tuberoses.

Annals like Alyssum, Antirrhinum, Heliotrope, Mignonette, Nasturtium, Night-scented Stock, Petunia, Sweet Sultan, Ten-week Stock, Tobacco.

GENTIANA Clusi. ★ This beautiful mat-forming plant has 3-inch trumpets of deep blue. Requires a woody soil. 3 in. Summer and fall. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

GERBERA. *Transvaal Daisy.* These beautiful daisy-like flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow. Protect them with a mulch over winter.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. 60 cts. each, \$1.75 for 3, \$6.75 per doz.

Jamesoni Hybrids, Double. Perfectly double flowers. Beautiful pastel shades. 90 cts. each, \$2.60 for 3, \$10 per doz.

Gypsophila • Babys-Breath

They are essentially for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

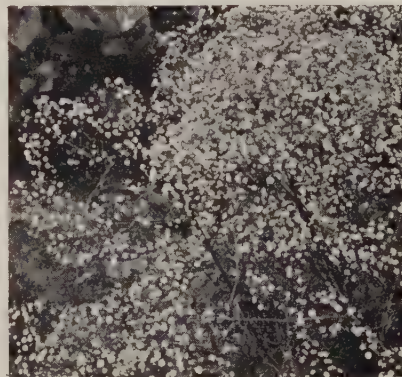
Acutifolia. Lilac-rose flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. One of the most popular varieties for cutting, having huge panicles of white double flowers. 4 ft. July, Aug. 1-yr. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.; 2-yr. field-grown, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Pacifica. Rose-colored sort, flowering later than *Paniculata*. 2½ to 3 ft. Aug.

Paniculata. Masses of small, pure white, single flowers. 2½ to 3 ft. July.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings and the rock-garden. Very light pink, double flowers. 1 ft.



Gypsophila, Bristol Fairy

GEUM. *Avens.* Hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

Fire Opal. Semi-double, orange-scarlet flowers. 2 to 2½ ft. June-Sept.

Princess Juliana. Large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

GERANIUM pectinatum. *Crane's-Bill.* ★ A very pretty plant of compact habit with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft. **Patulum.** Blue flowers. 18 in. June, July.

HEDERA Helix. *English Ivy.* ★ Fine for under trees, on banks or against walls. 2½-in. pots, 1-ft. runners, \$2.75 per doz., \$21.50 per 100; 3-in. pots, 2½-ft. runners, 55 cts. each, \$1.50 for 3, \$5.50 per doz., \$42.50 per 100; 4-in. pots, 3½-ft. runners, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting. Bloom Aug., Sept. 4 to 5 ft.

Riverton Beauty. Lemon-yellow.

Riverton Gem. Shot with red, brown and gold.

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Monarch. Large, deep yellow-orange, single flowers. 5 ft. Aug., Sept.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. Excellent for cutting. 4 to 5 ft. July until late Sept.

HELIOPSIS incomparabilis. *North American Ox-Eye.* Blooms in June and July; if cut back in July it will start again in September and bloom until frost. Flowers are 3 inches across and golden yellow. 2½ to 3 ft.

Patula. *European Novelty.* Rich cadmium-yellow; 3 rows of erect petals.

All above *Heliopsis*, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HELLEBORUS. *Hellebore; Christmas Rose.* Hellebores need a good, deep, rich soil and semi-shade. They look well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. They should not be disturbed; after a year or so, they flower in increasing profusion.

Niger. *Christmas Rose.* ★ Big, dark green, leathery leaves, and very large white flowers in December. 1 ft. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, rich red flowers on 18-inch stems. Pretty mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

HIBISCUS. *Mallow.* Strong-growing perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

White-with-Crimson-Eye.

Pink

Red

Mallow Marvels. Mixture of the above.

Hollyhocks

(*Albæ rosea*.) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Haile Selassie. *The Black Hollyhock.* Grows 6 to 8 feet with large flowers of near-black chocolate; yellow stamens. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SUPERB DOUBLE HOLLYHOCKS.

Newport Pink

Scarlet

White

Yellow

Double, Mixed

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

Dwarf Hemerocallis • Day-Lily

They average no more than 18 to 24 inches. Perfectly hardy and of easy culture, they bear hundreds of flowers each season when once established. Excellent for edging borders, paths, and driveways.

Dumortieri. Bright yellow, shaded brown. May, June.

Gracilis. Pale soft yellow; the dwarfiest of all. May, June.

Middendorffi. Bright yellow-orange. June, July.

Minor. Narrow grass-like foliage. Pure yellow. June, July.

Orangeman. Beautiful orange-yellow. Early June.

Above Dwarf Hemerocallis, 65 cts. each,
\$1.90 for 3, \$7.25 per doz.

COLLECTIONS

5 plants, one each of the above, \$3
15 plants, three each, \$8.75

These Hemerocallis Average 3 ft.

Francis Marion Series. Loveliest reds, wines, maroons and purples, bold patterns, with no yellows or orange. Varied blooming season gives several months of brilliant color. \$1.25 each, \$3.50 for 3, \$13.50 per doz., \$100 per 100.

Sunshine Series. New Hemerocallis in lemon, gold and other light colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz., \$42.50 per 100.

Jacob Murray Series. All the darker colored Day-lilies—maroons, mahogany, rose, tan and many bicolors. All vary as to height and time of bloom. 65 cts. each, \$1.90 for 3, \$7.25 per doz., \$52.50 per 100.

STANDARD TYPES

After each is the date it first blooms. Flowering period is from 4 to 6 weeks.

Bay State. Large; orange. 3 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Dover. Large; gold. 2½ ft. May 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Dr. Regel. Rich orange. 2 ft. May 20.

George Yeld. Large; golden yellow with brown suffusion. 3½ ft. July 1. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gold Dust. Orange. 2½ ft. May 25.

Goldeni. Golden yellow. 3 ft. June 8.

Gypsy. Very deep orange. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hyperion. Citron-yellow. 3½ ft. \$1 each, \$2.90 for 3, \$11 per doz.

J. A. Crawford. Apricot. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Lemona. Large; pale yellow. 3½ ft. June 17. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Mikado. New. Rich orange, purple shading. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

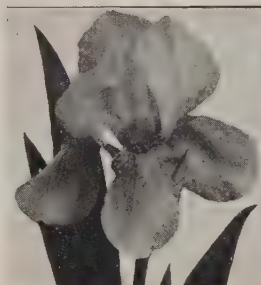
Ophir. Tall; lemon-yellow. 4 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Collections

1 plant each above 6 varieties marked ●, \$3.
3 plants each of the above marked ●, \$8.75.

IRIS CRISTATA. Crested Iris. ★ Large crested flowers of soft amethyst-blue with a touch of gold. May. 4 to 6 in.



Bearded Iris



Oriental Iris



Siberian Iris

Irish vulgaris

Bearded Iris; Flag; Fleur de Lys
June-blooming

They are of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply.

Alta California. Beautiful yellow. 4 ft.
Ambassadeur. Standards rosy lilac; falls rich purple.

Athene. Tall bearded white.

Dauntless. Velvety near red. 40 in.

Dazzler. Deep rose; very fragrant.

Euphony. Yellow; falls flushed blue. 3 ft.

Evolution. Tall bearded, self yellow.

Frieda Mohr. A giant pink variety.

Goblin Red. Ox-blood-red. Quite distinct.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. Prominent bright golden beard.

Grisette. Violet, old-gold and light brown.

Henri Riviere. Shades of yellow and lilac-mauve. The lilac shading is delicate; the general effect is yellow. 3½ ft.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined lavender.

Mrs. Valerie West. Brown-red and crimson; large, fragrant flower. 3 ft.

Pioneer. Rich red-purple.

Queen Catherine. Very large pale blue flowers. Sweetly scented.

Rameses. Combination of rose, pink, and buff. 3 ft.

Seminole. Velvety red-purple; orange beard.

Wedgwood. One-color flower—delicate pottery blue.

Spring and Fall-blooming Irises

Of interest because after flowering profusely in the spring, they blossom again in the fall, after they have become well established.

Autumn Elf. Standards are cream, falls lavender. Very fragrant. 1½ ft.

Autumn King. Blue-purple of good substance. 3 ft.

Autumn Queen. A very pretty white, dwarfer than the King.

Dorcas Hutchinson. Very fragrant; deep violet self. Of great merit. 1½ ft.

Peggy Babington. Rich clear canary-yellow. 28 in.

Sangreal. Rich yellow. 28 in.

September Skies. Purple-red. Excellent companion to Golden Harvest. 16 in.

COLLECTIONS

1 each of the above 7 varieties, \$2.90.
3 each of the above 7 varieties, \$8.50.

Irish Kaempferi • Oriental Iris

These flower after the Bearded Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

Elbrus. Double, clear lavender flower of immense size and splendid substance.

Light-in-the-Opal. Double; orchid-pink with glistening sheen.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany, and larger.

Violet Giant. Rich violet; semi-double; frequently 27 inches in circumference.

White Giant. White with yellow markings.

Above Improved Irises, \$1 each, \$2.90 for 3,
\$11 per doz.

STANDARD VARIETIES.

Ruby King. Double; ruby-crimson.

Blue Queen. Deep blue, veined yellow.

La Favorite. Double; white, veined blue.

Mrs. George Stump. Single; white with lavender center.

Painted Lady. Single; pink and white.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Violet Beauty. Deep violet; single.

All Standard Irises, 55 cts. each, \$1.50 for 3,
\$5.50 per doz.

Irish sibirica • Siberian Iris

Large clumps of decorative grassy foliage, and an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

Emperor. A dark violet-blue.

Perry's Blue. Clear sky-blue.

Snow Queen. Pure white.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

Fauntleroy. ★ Standards white, falls purple, both edged yellow. 6 in.

Mogador. ★ Milk-white standards; falls soft yellow. 12 in.

Rose Mist. ★ Soft rose-lilac. 10 in.

Sound Money. ★ Rich golden yellow. Blooms spring and fall. 8 in.

Tampa. ★ Brilliant mulberry-red. 1 ft.

Tony. ★ Brilliant dark ruby-red. 1 ft.

IRIS PUMILA. Dwarf Iris. ★ Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden.

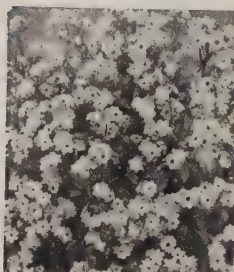
Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Myosotis



Pachysandra



Pentstemon (See page 75.)



Nepeta



Peony

IBERIS. *Perennial Candytuft.* ★ Beautiful dwarf evergreen plants thriving in sun or partial shade. Useful for the rock-garden and for edging.

Gibraltarica. Beautiful pale lilac flowers in great profusion. May. 9 in.

Sempervirens, Little Gem. Compact little bright green plant, becomes a mass of white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. A strong variety with green leaves and snow-white flowers in May. 1 to 1½ ft.

LAVANDULA. *Lavender.* Old-fashioned, fragrant plants with wiry spikes of lavender-blue flowers much used in the making of sachets.

Delphinensis. A very hardy dwarf Lavender, growing dense and compact.

Dentata. Fine green foliage with serrated edges. The plant has a nice compact habit; is in flower all summer and fall.

Twinkle Purple. A new variety with deep purple-blue flowers. 2 ft.

Munstead Strain. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

Nana compacta. Dwarf strain of English lavender. Very desirable. 1 ft.

LIATRIS. *Blazing Star; Gayfeather.* These showy plants all have grassy leaves and extremely bold spikes of flowers.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Scariosa alba. A splendid new variety with very heavy spikes of snow-white flowers produced in September. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Scariosa, September Glory. A new veritable giant, growing up to 7 feet. The flower-spikes are rich purple, and in late September make a marvelous display. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LINUM. *Flax.*

Flavum. A compact plant with rich yellow flowers. Of comparatively easy culture. 15 to 18 in. Blooms all summer.

Perenne. Old-fashioned border plant. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Blooms from June until autumn.

LOBELIA cardinalis. *Cardinal Flower; Indian Paint-Brush.* A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

Lupinus polyphyllus • Lupine

Handsome perennial with palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July. Likes partly shaded, well-drained spots with soil that is not too rich and free from lime.

Blue Shades Red Shades
Rose Shades Mixed Shades
Pure White

Russell Lupines. Fine hybrid Lupines from England. Wonderful plants bear tremendous spikes in colors and combinations never seen before, the fruit of years of effort. 3 to 5 ft. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYCHNIS. *Rose Campion; Catchfly.* A handsome plant of easy culture in any garden soil. Likes a sunny situation; excellent for beds or perennial borders.

Chalcedonica. Striking. Heads of scarlet flowers in June and July. 3 to 4 ft.

Viscaria splendens fl.-pl. ★ Plant makes a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 15 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYTHRUM, Red Beacon. An improvement on the Purple Loosestrife. Tall cerise-pink spikes. 3 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

MATRICARIA inodora plenissima. *Chamomile; Feverfew.* A double white variety with attractive ferny foliage and an abundance of flowers. June, July. 2 ft.

MAZUS reptans. ★ A beautiful plant of carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows ½ inch high, and in spring is smothered with lilac flowers.

MONARDA. *Bee-Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Dahliatown Orchid. A novelty of great merit. Charming orchid-pink flowers. 2½ to 3 ft. July.

Didyma rubra. Bright red flowers in July. 2½ ft.

Didyma, Salmon. A salmon-flowered variety of the above. 2½ ft. July.

Myosotis • Forget-me-not

Palustris semperflorens. ★ It is of creeping habit and flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

ONOTHERA. *Evening Primrose.* ★ Striking plants for a sunny location.

Glaucia Fraseria. Golden yellow cups in July and August. 1 to 1½ ft.

Illumination. *Novelty.* Long salmon-pink buds and golden yellow 1½-inch flowers. June to fall. 1½ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PACHYSANDRA terminalis. *Oriental Spurge.* Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.75 per doz., \$21.75 per 100; 2-yr. field plants, \$2.50 per doz., \$19.75 per 100, \$185 per 1000.

Peonies

They require a deep rich soil and should be planted so that the eyes are about 1 inch beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulcho-Nure the first winter. Our plants are all 2 or more years old. They will not throw much bloom the first season, but should be established by the following year.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Very large, tinted with delicate light pink; fragrant. \$2 each, \$5.75 for 3, \$22 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Kelway's Glorious. Very full gleaming flowers of enormous size; sweetly scented. \$3.50 each, \$10 for 3, \$38.50 per doz.

Solange. Broad, rounded petals suffused with reddish gold. Late midseason. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$2 each, \$5.75 for 3, \$22 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Free flowering; early. \$2 each, \$5.75 for 3, \$22 per doz.

Philippe Rivoire. Early-flowering dark crimson; rich rose scent. \$2.50 each, \$7.25 for 3, \$27.50 per doz.



Sensational MUMS

SUPER-HARDY RACE—EARLY

New Double and Semi-double Kinds that Start to Flower in August to Glorify the Garden until Heavy Frost

Redwing (1) 1½ ft.	Dean Kay (5) 2¼ ft.	Butterball (9) 1½ ft.
Pipstone (2) 1½ ft.	My Lady (6) 2 ft.	Harmony (10) 1½ ft.
Sunred (3) 2 ft.	Chippewa (7) 2 ft.	Dean Ladd (11) 2½ ft.
Waterlily (4) 1½ ft.	Glacier (8) 2 ft.	Welcome (12) 2 ft.

Your selection, any of these varieties, 60 cts. each,
\$1.75 for 3, \$6.75 per doz.

COLLECTIONS: 12 plants, one each of above... \$7
36 plants, three each of above... \$20

SCABIOSA Scabious; Pincushion Flower

A fine perennial. Large flowers borne on long, wiry stems make it a splendid subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.



SCABIOSA CAUCASICA



Hardy PHLOX

Five sorts, a blaze of color from August to frost, are shown below. We offer in addition the following two, which are not illustrated:

Orange Beauty. Vivid orange-red.

Prime Minister. White, with large pink eye.

Above two, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS: 7 plants, 1 each, \$3.75

21 plants, 3 each, 10.50

84 plants, 12 each, 40.50



↑ **MARY LOUISE.** 55 cts. each, \$1.50 for 3, \$5.50 per doz.

↓ **CHESAPEAKE** (Plant Patent Applied for)
75 cts. each, \$2.15 for 3, \$8.25 per doz.



EVA FOERSTER
55 cts. each, \$1.50 for 3, \$5.50 per doz.



FLASH
55 cts. each, \$1.50 for 3, \$5.50 per doz.



A. L. SCHLAGETER
55 cts. each, \$1.50 for 3, \$5.50 per doz.



Phlox subulata



Platycodon grandiflorum



Primula japonica. (See page 76.)

PEONIES, continued

PINK SHADES, DOUBLE.

Katherine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

Mme. Ducl. Sparkling pink with silver tones. True globe-shaped flower on a strong-growing plant. Midseason, \$2 each, \$5.75 for 3, \$22 per doz.

YELLOW SHADES, DOUBLE.

Primevere. Sulphur-yellow center and creamy guard petals. Midseason. \$3.50 each, \$10 for 3, \$38.50 per doz.

DOUBLE PEONIES TO COLOR. White, Red, and Pink. \$1.25 each, \$3.50 for 3, \$13.75 per doz., \$100 per 100.

SINGLE AND ORIENTAL PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Oriental.) Dark rose, pink outer petals, with a center of pale pink petaloids.

Constance. (Oriental.) Pink with bright yellow center.

White Mountain. (Oriental.) Snow-white with a central cluster of yellow petaloids.

Sunkist. (Oriental.) A striking carmine with vivid orange-pink petaloids.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens.

Purity. (Oriental.) A pure white variety with narrow white central petals shaded yellow.

Above 6, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Pentstemon

Digitalis. Beard-Tongue. Spikes of white flowers with delicate mauve shadings, produced in great profusion in June and July. 4 to 5 ft.

Firebird. Flowers are a fine rich scarlet. In bloom all summer and fall. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Garnet. Large-flowered; garnet. Fine for cutting all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

PHLOX decussata

Hardy Garden Phlox

These beautiful plants are the mainstay of the garden in July and August. There are hundreds of varieties available today; the selection here includes the finest, and none choicer are obtainable.

***Chesapeake.** Patent applied for. Grows only 15 inches high, bearing large heads of flowers, tyrian rose in color, with a silvery white reverse. Florets are 1½ inches across, and long lasting. Compact, dark green plants, especially valuable in mid-summer. Fine in the rock-garden. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

***A. L. Schlageter.** Scarlet-red. Midseason and very good. 2½ ft.

Catherine. Soft lavender, with no trace of magenta. Absolutely the best in its color range. A gem! Midseason. 2½ to 3 ft.

Daily Sketch. Salmon-pink; large flowers. Midseason. 2½ ft.

***Eva Foerster.** Salmon-pink, with light eye. Extremely large. Late. 2 ft.

***Flash.** Cherry-carmine. Very striking and distinct. Midseason. 2 ft.

***Mary Louise.** The best white Phlox. Perfect in every way. Late. 2½ ft.

***Orange Beauty.** Orange-red. Late. 2½ ft.

***Prime Minister.** White with red eye. Midseason. 2 ft.

Any of above 8 varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

7 plants, 1 each varieties marked *, \$3.75
21 plants, 3 each, \$10.50
84 plants, 12 each, \$40.50

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. 9 in.

PHLOX subulata. Ground Pink; Flowering Moss; Moss Pink; Mountain Pink. ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks, and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white. **G. F. Wilson.** Mauve.

Lilacea. Lilac. **Rubra.** Crimson.

Rosea. Rose-pink. **Vivid.** Deep pink.

PHYSOSTEGIA. False Dragonhead.

Summer Snow. Novelty. A fine, new, pure white type of our well-liked native perennial. Makes an excellent border plant, effective from midsummer to fall. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Dwarf Vivid. Rosy red blooms that last well as cut-flowers. 2 ft. July.

Virginiana. Large clumps and long spikes of tubular pink flowers. 3½ ft. July.

ORIENTAL POPPIES

Papaver orientale

Their striking foliage and glowing flowers are most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings.

Cerise Bedder. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. Fine for cutting.

***Grand Mogul.** Crimson-scarlet flowers, 4 to 6 inches in diameter. 2½ ft.

Little Shrimp. ★ A miniature variety. Small, pale pink flowers in profusion. Good for rock-gardens. 1 ft.

***Perry's White.** Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft.

Pink Cloud. Delicate pink.

***Pink Lassie.** Pale pink; large flowers.

Purity. Soft shell-pink, with no spots or markings. Very fine.

Seashell. Light pink; delicate texture.

All above Oriental Poppies, 65 cts. each, \$1.90 for 3, \$7.25 per doz.

COLLECTIONS

3 plants, 1 each variety marked *, \$1.90
9 plants, 3 each, \$5.35
18 plants, 6 each, \$10

PLATYCODON. Balloon Flower; Bellflower. Cup-shaped 2-inch flowers through summer and autumn.

Grandiflorum. Large steel-blue. 1½ ft.

Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

PLUMBAGO Larpentæ. Leadwort. ★ Dwarf plant which develops a mound, smothered with sky-blue flowers in Sept. and Oct. 6 to 9 in.

POLEMONIUM reptans, Royal Blue. Jacob's Ladder. ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

PRIMULA • *Primrose*

★ For the rock and alpine garden, around the pool, for the semi-shady garden, for brightening up woodland walks, dells, or any place where the plants will be cool at the roots.

Elatior, Mixed. The choice flowers are borne in clusters on stout stems. All colors and shades. 6 to 9 in.

Auricula. Choice specimen of compact habit. Leaves are large, leathery, and glossy. Flowers of stunning colors, all with a contrasting eye, such as lavender with yellow center, red with buff center, etc. Mixed only. 6 in. June.

Denticulata. Long foliage and fine globular heads of lavender flowers. One of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Strain. Candelabra habit, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

Officinalis. The real old English Cowslip in mixed colors. 1 ft. May.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May.

All Primulas, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PYRETHRUM. Painted Lady. Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Single, Mixed. Reds, whites, and pinks, all with yellow centers. Very vigorous.

Red Pigmy. NOVELTY. A small plant that makes an excellent subject for the front of the border. Ten inches at most, the blooms are a dark red. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

RUDBECKIA. Coneflower. Bright border plants of easy culture in any garden soil.

Golden Glow. Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.

Purpurea. A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.

The King. Deep crimson flowers. 3 ft. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

White Lustre. Fine variety of recent introduction. Large white flowers, with a central golden cone. 75 cts. each, \$2.15 for 3, \$8.25 per doz.



Rudbeckia, The King

PRICES, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.
★ Dwarf plants for the Rock-Garden and edging the Perennial Border

SALVIA

Meadow-Sage; Clary

Azurea grandiflora. A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 feet high; 2 to 3 ft. in diameter.

Farinacea. Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept.

Farinacea alba. A white counterpart of the above. If both are planted together a charming combination is obtained.

SANTOLINA. Lavender Cotton; Ground Cypress. ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

Viridis. A bright-green-foliaged variety. White flowers in July. 1 ft.

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it fine for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Striking plant for every hardy border. Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SEDUM • *Stonecrop*

Foundation of many early rock-gardens, and no rock-garden today is complete without some of the species mentioned.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Balticum. ★ 3 in. June.

Dasyphyllum. ★ Rose. 3 in. June.

Lydium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Beautiful reddish purple foliage in autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

Spectabile. A very pretty erect-growing species 18 inches high, with light green, fleshy foliage and large heads of pink flowers. Sept., Oct.

SEMPERVIVUM. Houseleek; Live Forever.

★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base.

Arachnoideum. Cobweb Houseleek. A beautiful plant. The round masses of leaves are always covered with a white cobwebby substance, giving it a most unusual effect. 2 in.

Globiferum. Grass-green rosettes tinged with red. Yellow flowers in August. 3 to 4 in.

Mixed Seedlings. Choice selection of all shapes and sizes. 3 to 4 in.

SILENE. Catchfly; Campion.

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIRAEA

Goat's Beard; Meadowsweet

Suitable for borders, damp situations, and water plantings. June.

Filipendula alba. Finely cut foliage. Creamy white flowers. 2 ft.

Davidi. Vigorous 3-foot variety, with pale pink flowers. July, Aug.

Palmata elegans. A light pink. 3 ft.

Ulmara fl.-pl. Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

STATICE. Sea Lavender. These easily grown border plants have little foliage but throw tremendous sprays of flowers similar to *Gypsophila paniculata*.

Latifolia. Large basal leaves and clouds of pale blue flowers in August. 2 ft.

Latifolia dumosa. Bluish lavender flowers in great profusion, which, when dried, become silvery. 1½ ft. Aug.

STOKESIA lilacea grandiflora. Stokes' Aster. From basal leaves arise flower-stems 18 to 20 inches long. Heads are often 5 inches across, of a silvery blue color with a lilac suffusion at the center. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SWEET WILLIAM

Dianthus barbatus

These brilliantly colored old-fashioned garden plants are as indispensable today as ever. They give a wealth of bloom in June.

Auricula-eyed. Chiefly reds and pinks; all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed strawberry-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

THALICTRUM. Meadow Rue. Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Adiantifolium. White flowers freely produced in June. 1½ to 2 ft.

Aquilegifolium. As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

Glaucum. This we recommend especially, as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

Lavender Mist. Foliage similar to maidenhair fern and large, loose panicles of lavender flowers. 4 ft. Midsummer. 75 cts. each, \$2.15 for 3, \$8.25 per doz.



Sedum acre



Tritoma Pfitzeri

TEUCRIUM Chamaedrys. *Germander.* ★ A dwarf sub-shrub with glossy green foliage and bright rose flowers, for edging borders and paths. 1 ft. Aug.

THERMOPSIS caroliniana. Striking plant, 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS • Thyme

★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted in the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Lanuginosus. Mauve flowers and gray, woolly leaves. 2 in. June.

Serpyllum. The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum albus. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineus. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

See also *Herbs* on page 27.

TRITOMA

Torch Lily; Flame Flower; Red-Hot Poker

Easily grown anywhere, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Pfitzeri. Everblooming *Tritoma*. Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft.

S. & W. Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc.



Veronica longifolia subsessilis

VERBENA. *Vervain.* Protect with a covering of leaves over winter.

Bonariensis. Lavender-rose sprays on long, wiry stems. June-Oct. 4 to 5 ft.

Canadensis. ★ A creeping plant with cut foliage and lavender flowers all summer. 6 to 9 in.

Chamaedryfolia. ★ Of trailing and spreading growth continually producing scarlet flowers. 3 in. May-Oct.

Maonetti. ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in.

VERONICA • Speedwell

Free-flowering plants, for the rock-garden and border.

Blue Jay. Flowers in August and September. Bright blue sprays. 2 to 3½ ft.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Incana rosea. Similar, with pink flowers.

Longifolia subsessilis. Long spikes of deepest blue. 2 to 3 ft. July.

Spicata. Useful border plant with spikes of blue flowers from July to September. 2 ft.

True Blue. Smothered with blossoms of intense blue. 9 to 12 in. June, July.

VINCA

Periwinkle; Old Maid; Myrtle★

Grand ground-covers for shade.

Minor. Delicate blue flowers with glossy green foliage.

Minor alba. White flowers; dark foliage.

Minor, Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.

Above Vincas, 50 cts. each, 3 for \$1.40,
\$5.25 per doz.



Vinca (Periwinkle)



Yucca filamentosa

VIOLA odorata Sweet Violet

The Violets listed below are splendid for cutting. The double Violets should be afforded some protection in winter.

Royal Robe. Deepest violet-blue; deliciously large, flat; single blooms. \$1.50 for 3, \$5.50 per doz., \$40 per 100.

Frey's Fragrant. Single. Flowers ½ to ¾ inch in diameter. Rich deep purple. Blooms in April and again in the fall.

Rosina. Single, very fragrant flowers of dark rose-pink.

Russian Single. Produces great masses of fine large deep purple flowers.

Snow Queen. Dozens of large white Violets on long stems. Spring flowering.

Above four, \$1.30 for 3, \$5 per doz.,
\$37.50 per 100

VIOLA cornuta • Tufted Pansies

★ These flower all spring and early summer. Cut them back in August, and they bloom again in autumn. They like a cool, well-drained soil and plenty of sun; a mulch of peat moss is beneficial during hot weather.

Jersey Gem. The rich violet-hued flowers are like those of pansies but smaller. However, they are perennial and very sweetly scented. Plant them in rock-gardens, borders, and paths. 6 to 9 in. May until fall.

Arkwright Ruby. Ruby-red.

Blue Perfection. Blue.

Chantryland. Apricot.

White Perfection. White.

Yellow Queen. Yellow.

Above Violas, \$1.30 for 3, \$5 per doz.,
\$37.50 per 100

COLLECTIONS

6 plants, 1 each of above, \$2.50
18 plants, 3 each of above, \$7.25

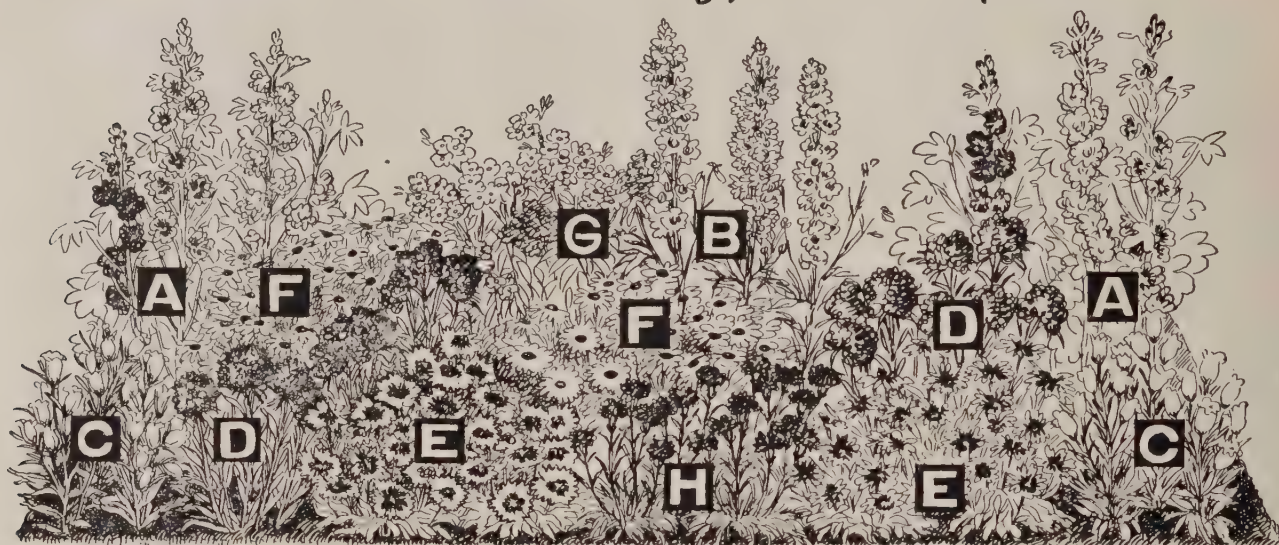
YUCCA filamentosa. *Adam's Needle.* Spikes evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. Fine for tubs and terraces and for planting in positions where boldness is required. 1-yr. plants, 75 cts. each, \$2.15 for 3, \$8.25 per doz.; 2-yr. plants, \$1.25 each, \$3.50 for 3, \$13.50 per doz.; 3-yr. plants, \$1.75 each, \$5 for 3, \$19.25 per doz.

PRICES of Hardy Perennial Plants, unless otherwise noted, \$1.30 for 3, \$5 per doz., \$35 per 100

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

A BORDER OF OLD-FASHIONED FLOWERS

This 40-Plant Assortment will make gay an area of 80 square feet



Varieties that were favorites when America was young; plant them to make an old-time border measuring 20 feet long and about 4 feet wide. As indicated, you place Hollyhocks, Phlox and Delphinium at the back; Shasta Daisies and Sweet William in the middle distance; Canterbury Bells, Gaillardia and Pinks in front. For sunny and partly sunny spots. Many of them are fragrant.

Key		Key	
6 Hollyhocks, Superb Mixed.....	A	6 Gaillardia.....	E
3 Delphinium, Gold Medal Hybrids.....	B	6 Shasta Daisies.....	F
6 Canterbury Bells, Mixed.....	C	3 Phlox, Tall Mixed.....	G
6 Sweet Williams, Mixed.....	D	4 Pinks (Dianthus).....	H

Assortment: 40 Plants, Value \$17.30 \$15.50



FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH A COLLECTION OF SIXTY PLANTS (Twenty distinct varieties)

It occupies 120 square feet, but the plan may be adapted easily to fit any space that is similar in area but of different dimensions (say 24 x 5, 20 x 6 or 15 x 8 feet). And it need not be a rectangle—an ell or a curve would be equally pleasing.

A Cutting Garden

	Key
3 Aster, Queen Mary.....	1
3 Iris, Pioneer.....	2
2 Lavandula, Munstead Strain.....	3
3 Gaillardia, S. & W. Hybrids.....	4
3 Hemerocallis, D. D. Wyman.....	5
2 Anemone, September Charm.....	6
3 Chrysanthemum, Kristina.....	7
3 Stokesia lilacina.....	8
6 Dianthus, Beatrix.....	9
3 Coreopsis, Perry's Variety.....	10
6 Delphinium, Pacific.....	11
3 Verbena bonariensis.....	12
1 Artemisia, Silver King.....	13
2 Heliosopsis incomparabilis.....	14
3 Scabiosa, Isaac House Strain.....	15
3 Doronicum excelsum.....	16
3 Tritoma, S. & W. Hybrids.....	17
2 Campanula, Telham Beauty.....	18
3 Chrysanthemum, White Swan.....	19
3 Helianthus, Soleil d'Or.....	20

60 Plants COLLECTION 118A: \$25.50
Value, \$28.50

For Full Sun

	Key
3 Aster, Red Cloud.....	1
3 Iris, Wedgwood.....	2
2 Veronica spicata.....	3
3 Gypsophila repens.....	4
3 Phlox, Eva Foerster.....	5
2 Aquilegia, Yellow.....	6
3 Dianthus, Beatrix.....	7
3 Lychnis Viscaria.....	8
6 Aster, Goliath.....	9
3 Heliosopsis incomparabilis.....	10
6 Delphinium, Pacific.....	11
3 Aquilegia, Rose and Pink Shades.....	12
1 Rudbeckia purpurea.....	13
2 Coreopsis, Perry's Variety.....	14
3 Geum, Princess Juliana.....	15
3 Delphinium, Belladonna.....	16
3 Tritoma, S. & W. Hybrids.....	17
2 Chrysanthemum, White Swan.....	18
3 Armeria, Farmingdale Giants.....	19
3 Chrysanthemum, Korean.....	20

60 Plants COLLECTION 118C: \$25.50
Value, \$28.45

For Partial Shade

	Key
3 Aster, Violetta.....	1
3 Iris, Indian Chief.....	2
2 Funkia fortunei.....	3
3 Phlox, A. L. Schlageter.....	4
3 Liatris scariosa alba.....	5
2 Primula officinalis.....	6
3 Plumbago Larpenae.....	7
3 Anemone, September Charm.....	8
6 Ajuga multicolor.....	9
3 Dicentra eximia.....	10
3 Digitalis, Giant Shirley.....	11
3 Aster, Palmyra.....	12
1 Dicentra spectabilis.....	13
2 Coreopsis, Perry's Variety.....	14
3 Primula japonica.....	15
3 Aster, Goliath.....	16
3 Hemerocallis Goldeni.....	17
2 Iris, Alta California.....	18
3 Nepeta Mussini.....	19
3 Veronica, True Blue.....	20

60 Plants COLLECTION 118F: \$25.50
Value, \$27.75

Any two Collections, \$49.50; all three Collections, \$72.50

HARDY FLOWERING VINES

These are strong, two-year-old, field-grown plants. We wrap each vine individually, with the roots well protected, and mark clearly the name of the variety.



Trumpet Vine

AMPELOPSIS Veitchii. *Boston Ivy.* The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stone, brick or woodwork. Dormant, 75 cts. each, \$2.15 for 3, \$8.25 per doz. In pots after May 1, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

BIGNONIA grandiflora. *Trumpet Vine.* A fast-growing vine with large orange trumpets borne in profusion during summer. Succeeds most anywhere. Dormant plants only, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Yellow Trumpet. (New.) A splendid pure chrome-yellow variety. Flowers 2½ to 3 inches across; will tolerate partial shade. Dormant plants only, \$3 each, \$8.75 for 3, \$33 per doz.

HONEYSUCKLE. *Lonicera.* Regarded as the most useful of hardy vines; easiest to grow in any good garden soil; will thrive most anywhere. Semi-evergreen.

Goldflame. Wonderful flame-coral trumpets lined with gold. Flowers from May to frost. Dormant plants only, \$1.75 each, \$5 for 3, \$19.25 per doz.

Halliana. *Hall's Oriental Honeysuckle.* Pure white flowers, changing to yellow. Fragrant. Dormant plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz. In pots after May 1, \$1 each, \$2.85 for 3, \$11 per doz.

CELASTRUS scandens. *Shrubby Bittersweet; Waxwork.* One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. Dormant plants only, \$1 each, \$2.85 for 3, \$11 per doz.

Clematis

Grown on trellises, arbors, pergolas, and walls, they will bring color to many parts of your garden. The single large-flowering and double varieties cover almost the entire color-range and the many small-flowered types have curiously formed flowers.

Single Large-flowering

Crimson King. Large; vinous red. \$1.75 each, \$5 for 3, \$19.25 per doz.

Duchess of Albany. Sprays of pink, trumpet-like flowers. \$2 each, \$5.75 for 3, \$22 per doz.

Duchess of Edinburgh. Large, double white flowers. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Jackmani. A perfect mass of bloom. Dark rich purple. \$1 each, \$2.85 for 3, \$11 per doz.

Lady Caroline Neville. French white with mauve bars. \$1.75 each, \$5 for 3, \$19.25 per doz.

Lanuginosa candida. Enormous flowers of pure white. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Small-flowering

Crispa. Small, bell-shaped, purple flowers. Most unusual.

Paniculata. *Virgin's Bower.* Flowers appear in August and continue until frost. White in color, deliciously fragrant.

Texensis. *C. coccinea.* Urn-shaped, vivid scarlet blooms.

All small-flowering varieties, \$1 each, \$2.85 for 3, \$11 per doz.

Collection: 1 each of above 9, \$11.50

We offer two varieties in pots: **Jackmani**, large-flowering; **Paniculata**, small-flowering. These two in pots after May 1, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

HEDERA Helix. *English Ivy.* Good trailing or climbing plants. 2¼-in. pots, \$2.75 per doz.; 3-in. pots, 55 cts. each, \$1.50 for 3; 4-in. pots, 75 cts. each. See also page 70.



Silver Lace Vine

POLYGONUM Auberti. *Silver Lace; Chinese Fleece.* The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing great foamy sprays of white flowers in September, though a few sometimes will appear in June. Dormant plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz. In pots after May 1, \$1.75 each, \$5 for 3, \$19.25 per doz.

WISTERIA. The ideal conditions for Wisteria are a well-drained loam, sunshine and plenty of moisture while in flower; but given all these, the plants often refuse to flower. Hard pruning is usually the remedy. These are all strong, 2-year-old, grafted plants which more definitely assure flowering in from two to three years.

Sinensis. Pale blue. When established it grows 15 to 20 feet in a season.

Sinensis alba. White-flowering form of the above.

Above two, dormant plants only, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

HEDGE PLANTS FOR HOME AND GARDEN ENCLOSURE



California Privet

CALIFORNIA PRIVET. *Ligustrum ovalifolium.* This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Will stand any amount of pruning to keep in form desired. Extra-strong, 3-ft. plants, \$2 for 10, \$4.50 for 25, \$17.50 per 100, \$165 per 1000.

BERBERIS Thunbergi. *Oriental Barberry.* Requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Small spines deter trespassers breaking through. Extra-strong, 1½ to 2 ft., 4 to 6 branches. 85 cts. each, \$8 for 10, \$19.50 for 25, \$75 per 100.



Oriental Barberry

HARDY SHRUBS

Purchaser pays transportation beyond 50 miles of New York.



Azalea calendulacea

AZALEA. Beautiful compact evergreen shrubs, ideal for including in a foundation planting. Foliage is hidden under a wealth of bright flowers in early June.

Amoena. Leaves become bronzy in winter. Flowers are rose-purple. 10 to 12 in., *B&B, \$2.75 each, \$8 for 3, \$30 per doz. 12 to 15 in., *B&B, \$3.75 each, \$10.75 for 3, \$41 per doz.

Calendulacea. *Flame Azalea.* Two-inch flowers are orange-scarlet. 2 to 3 ft., *B&B, \$7.50 each, \$21.50 for 3.

Hinodegiri. Brilliant crimson-scarlet; a clear, handsome shade. 8 to 10 in., *B&B, \$2.25 each, \$6.50 for 3, \$24.75 per doz. 10 to 12 in., *B&B, \$3 each, \$8.75 for 3, \$33 per doz. 12 to 15 in., *B&B, \$4.50 each, \$13 for 3, \$49.50 per doz.

Ledifolia magnifica. Large white fragrant blossoms. 2 to 2½ ft., *B&B, \$7 each, \$20 for 3.

ALMOND. *Amygdalus (Prunus) triloba.* Fragrant flowers are borne on slender branches during May. Ten feet high when mature. We supply 2 to 3-ft. plants. **Pink** **White**

Above two, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

BEAUTY BUSH. *Kolkwitzia amabilis.* Mature plants appear like a beautiful pink cloud when in flower. Attains a height of 4 to 6 feet. We offer 3 to 4-ft. bushes, \$1.75 each, \$5 for 3, \$19.25 per doz.

BUTTERFLY BUSH. *Buddleia.* One of the most desirable shrubs, beginning to bloom in July and continuing until severe frost. Flowers are borne in dense, cylindrical spikes. Plants are in 3-in. pots.

Charming. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye.

Purple Glory. A rich, dark purple. Free flowering.

Royal Red. A fine addition to this glorious family.

Above 4, \$1 each, \$2.85 for 3, \$11 per doz.

COLLECTION: One each of the above 4 *Buddleias*, \$3.75

CHASTE TREE. *Monks' Pepper Tree; Vitex macrophylla.* Matures at 5 to 6 feet. Spikes of beautiful lavender-blue flowers in late summer against the star-like gray-green leaves. 2 to 3-ft. plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

DEUTZIA gracilis. Dwarf plants covered with spikes of pure white flowers in early summer. 15 to 18-in. bushes, \$1 each, \$2.85 for 3, \$11 per doz.

Pride of Rochester. Fine, tall, double white variety, maturing at 10 feet. 3 to 4-ft. bushes, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

DOGWOOD. *Cornus.*

Florida. Grows to 25 feet. Beautiful white flowers in early spring, followed by red fruits in autumn. 4 to 5-ft. saplings, *B&B, \$10 each.

Florida rubra. Grows to 20 feet. A light rose-pink form of the variety above. 4 to 5-ft. saplings, *B&B, \$15 each.

GOLDEN BELL. *Forsythia spectabilis.* Bright yellow flowers burst into bloom at the beginning of spring while the bush is otherwise bare. 7 to 8 feet high when mature. 3 to 4-ft. bushes, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

GOLDEN CHAIN. *Bean Tree; Laburnum.*

Vossi. Grows to 15 feet or higher. Green-barked tree with hanging clusters of golden yellow pea-flowers. Imagine a yellow wisteria that does not climb. Will stand partial shade. The pods and seeds are poisonous. Striking plant, covered with blooms in May and June. 5 to 6-ft. saplings, \$6 each, \$17.25 for 3.

HYDRANGEA arborescens grandiflora. *Hills of Snow.* Reaches 10 feet. Large ball-clusters of snowy white flowers. 3 to 4-ft. plants.

Paniculata grandiflora. The flowers, borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose-purple, and are semi-everlasting. 8 to 9 feet high when mature. 3 to 4-ft. plants.

Above two, \$1.75 each, \$5 for 3, \$19.25 per doz.

MOCK-ORANGE. *Philadelphus.* This old-fashioned sweet-scented shrub will grow in almost any kind of soil, and is tolerant of partial shade. Prune after flowering.

Coronarius. This variety has large white flowers in early summer. 10 feet high when mature. 3 to 4-ft. plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

Mont Blanc. Graceful dwarf shrub, growing to not more than 3 feet, covered in early summer with dazzling white flowers. 2 to 3-ft. plants.

Virginalis. 8 ft. Without doubt, the finest variety. Large, semi-double flowers of haunting fragrance. June. 3 to 4-ft. plants.

Above two, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

FLOWERING QUINCE. *Cydonia japonica.* Blooms profusely in early spring; bright scarlet. 4 to 5 feet high when mature. 18 to 23-in. plants, \$1 each, \$2.85 for 3, \$11 per doz.

*Plants offered "B & B." (Balled and Burlapped) have their roots surrounded by the original soil and wrapped in cloth.

LILAC. *Syringa.* Wonderful spring-blooming shrubs loved by everyone. They will thrive almost anywhere. Mature at 12 feet.

Single White **Single Purple**
Above 2, 3 to 4-ft. plants, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

French Hybrid Lilacs

These have larger flower-heads and more striking colors than the sorts ordinarily seen, as offered above.

SINGLE VARIETIES

Charles X. A profuse bloomer, splendid for cutting. Flowers violet-red.

Ludwig Spaeth. Dark crimson-purple.

Marie Legraye. Pure creamy white.

DOUBLE VARIETIES

Le Gaulois. Enormous flowers; soft lilac-blue.

Mme. Abel Chatenay. Large, double flowers of milk-white. A late variety.

Above five French Lilacs, all 2 to 3 ft., \$1.75 each, \$5 for 3, \$19.25 per doz.

ROSE OF SHARON. *Alibaea; Hibiscus syriacus.* Among the most valuable of our tall, hardy shrubs on account of their blooming from August to October. Height 10 to 12 feet when mature. Plants offered are 3 to 4 feet at present, and in the following colors:

DOUBLE

Purple **Red** **White**
\$1.25 each, \$3.50 for 3, \$13.75 per doz.

SPIRÆA.

Anthony Waterer. Color bright crimson. A dwarf subject which blooms in July and August. 3 feet when mature. 1½ to 2-ft. plants.

Van Houttei. *Bridal Wreath.* In May and June the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-ft. plants.

Above two, \$1.25 each, \$3.50 for 3, \$13.75 per doz.



Magnolia Soulangeana

MAGNOLIA Soulangeana. Tree grows to 20 feet or more; beautiful in spring when covered with its enormous pink-white flowers. Very hardy. 3 to 4-ft. plants, *B&B, \$15 each.

HARDY SHRUBS

Purchaser pays transportation beyond 50 miles of New York.



Snowball (*Viburnum tomentosum plicatum*)

VIBURNUM.

Carlesii. Fragrant *Viburnum*. 5 to 6 feet when mature. Large clusters of fragrant, waxy white flowers in spring. 2 to 3½-ft. bushes, \$6 each, \$17.25 for 3.

Tomentosum. Spreading branches are covered with dazzling white flowers in wheel-like clusters. 2 to 3-ft. bushes, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Tomentosum plicatum. Oriental Snowball. Grows to 10 feet. Profusion of white balls in May. 2 to 3-ft. bushes, \$1.75 each, \$5 for 3, \$19.25 per doz.

WEIGELA. Covered in May and early June by large, trumpet-shaped flowers. Prune as soon as blooms are over and from time to time shorten long branches to encourage flowers all year. Best in full sun.

Bristol Ruby. Plant Patent 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot fine-formed shrub at maturity. 2 to 3 ft., \$1.75 each, \$5 for 3, \$19.25 per doz.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-ft. plants, \$1.40 each, \$4 for 3, \$15.50 per doz.

Chinese Hybrid Chestnut

Low, spreading tree which should begin to bear three years after planting. Nuts are of excellent roasting or stuffing quality.

The scientist's answer to blight, which has killed native Chestnuts in the Northeast.

Any good loamy soil will grow them, provided it drains well. Best planted in threes, neighbors cooperating by planting one or two, where necessary; this is to insure pollination.

Two-year saplings, 3 to 4 ft., \$3 each, \$8.75 for 3, \$33 per doz.

BOXWOOD EDGING

For defining a driveway, path, shrubbery, rose-bed or border. Keep trimmed, mulch over winter, rake under limestone every spring. Hardy within 100 miles of N. Y. Not recommended for northern and eastern New England.

Suffruticosa. Fragrant. The dwarf small-leaved kind. 4 to 6 inches high (allow 4 per running foot), \$3.50 per doz., \$25 per 100. 6 to 8 inches high (allow 3 per running foot), \$6 per doz., \$45 per 100.

RHUBARB ROOTS

Plant 3 feet apart in well-manured ground. Mulch with manure or Mulch-o-Nure after ground freezes.

Victoria. A reliable and productive variety. Strong roots. 50 cts. each, \$5.50 per doz., \$42.50 per 100. Extra-large clumps for forcing, 90 cts. each, \$9.90 per doz.

McDonald. Originated in Canada and hardy even in Alaska. Thick, sturdy stems are deep crimson. Tender and delicious. Divisions, 60 cts. each, \$6.50 per doz, \$50 per 100.

ASPARAGUS ROOTS

It is generally thought that it requires too much space to grow Asparagus, but a plot 8 feet wide and 50 feet long will be sufficient to plant 100 roots, enough for an ordinary family.

Dig a trench 1½ feet deep and 1 foot wide, and dig into the bottom about 4 inches of well-rotted manure, tread down firmly. If manure cannot be obtained, work under 100 pounds of Humus and 10 pounds of General Garden Fertilizer to each 50 feet of row. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. Between the rows allow 18 inches.

Paradise. A remarkably heavy producer and the stalks are very large—often only seven or eight to a pound bunch. Their flavor is unusually good. Large, 2-yr. roots, \$2.75 for 25, \$5 for 50, \$9 per 100, \$80 per 1000.

Mary Washington. Rust-resistant, vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone. Extra-choice 2-yr. crowns, \$2.50 for 25, \$4 for 50, \$7.50 per 100, \$65 per 1000. Selected 3-yr. crowns for forcing, \$3 for 25, \$5.50 for 50, \$10 per 100, \$87.50 per 1000.

Purchaser pays transportation beyond 50 miles.



Mary Washington Asparagus

STRAWBERRIES

Rich soil, kept firm, and with a plentiful supply of moisture, is desirable. Select potted plants and space them at 9-inch intervals in rows 2 feet apart in spring or late summer.

Keep the row well weeded at all times, and your hoeing must be very shallow, because all feeding roots are close to the surface. Whiten the soil around the plants with General Garden Fertilizer in November and May. Spread ½ inch of peat moss over both ground and plants in December, and brush it lightly off the leaves in April.

Strawberry plants produce daughter plants around the parent, and as care of a bed develops into routine, it is usual to retain daughter plants at approximately 9 inches apart; in early autumn, transplant surplus plants into new rows. Destroy two-year-old parents.

Runners connecting plants should be cut as soon as young ones are rooted.

Early

Blakemore. Extra-early variety with large fruit excellent for preserving.

Dorsett. A very vigorous-growing variety. Early Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

Premier. Produces an abundance of large, bright flame-colored berries.

Potted Plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100

Midseason and Late

Big Joe. Very productive; extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.

Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

Red Star. Large, solid berry, red clear through. Heavy producer. U. S. Government variety.

Potted Plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100

The above types produce one abundant crop of flowers, followed by fruit, in spring or early summer.

The following types produce flowers rather sparingly all the year. By keeping these pinched off in spring and summer until August 15, and so building up reserved strength in the plant, a fair crop of good fruit will be developed for the autumn.

Everbearing Varieties

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

Potted Plants, \$2.75 per doz., \$4.75 for 25, \$17.50 per 100

Above available in April and August

Our Strawberries are well-developed plants. All the above have been growing in 3-in. pots since late last summer.

ALPINE STRAWBERRY (Small Fruited)

Here is a real two-purpose novelty

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. Charming in appearance. In flavor it is similar to the Wild Strawberry.

Baron Solemacher. Red Fruits. Exceedingly sweet.

Potted Plants, \$1.75 per doz., \$3 for 25, \$10 per 100

Alpine Strawberries may also be grown from seed. See Flower Seed section

Note. Strawberry Plants cannot be shipped to points outside Japanese Beetle area.

HOME-GROWN FRUIT IS DELICIOUS

Trees and Bushes should be in every Freedom Garden

STANDARD FRUIT TREES

These have a main stem and are 5 to 7 feet tall. \$3.50 each, \$38.50 per doz.

APPLES

They should produce fruit the fourth year after planting, and continue to do so for forty years. Easily grown in any good soil. Plant 40 feet apart.

Baldwin. (Late.) Deep red. All purpose.

Delicious. (Late.) Dark red eating Apple of delightful flavor.

Greening. (Winter.) Large yellow-green fruit. Favorite cooking variety.

Hyslop. (Crab.) Red and yellow striped. The best Crab-Apple.

McIntosh. (Late.) Dark red, white-fleshed eating Apple. Extra quality.

Williams' Early Red. (Early.) One of the best early summer sorts.

Yellow Delicious. (Late.) Large; golden yellow.

Yellow Transparent. (Early Summer.) Fruit medium to large, with a brilliant yellow, waxy skin. Flesh is tender, crisp, and juicy.

PEACHES

Should begin to yield fruit the second year after planting, and usually live ten to fifteen years. Plant 20 feet apart.

Belle of Georgia. (Late.) White freestone. Juicy and of fine flavor.

Elberta. (Midseason.) Yellow freestone. Attractive and excellent quality.

Hiley. (Early.) White freestone. Dependable all-purpose Peach.

J. H. Hale. (Midseason.) Yellow freestone. Large attractive fruit of extra quality.

CHERRIES

Sweet Cherries do well on rather light land and eventually grow into larger trees than the sour variety, which thrives in heavier soil. Plant from 20 to 30 feet apart, the sour Cherries closer than the sweet kinds.

Black Tartarian. (Early; sweet.) Large black fruit of best quality.

Governor Wood. (Early; sweet.) Large yellow fruit with red cheek.

Improved Montmorency. (Midseason; sour.) Attractive red fruit with firm flesh. The best sour Cherry.

Sweet September. Patent No. 94. (Late; sweet.) Fine-quality dark red fruit ready to pick in early autumn.

Yellow Spanish. (Early; sweet.) Amber-yellow flushed red. Firm sweet flesh.

PEARS

Will grow on any good loamy soil, preferably one on the heavy side. Plant 20 feet apart, and they should begin to yield the third year after planting.

Anjou. (Late fall.) Large yellow Pear blushed red.

Bartlett. (Late summer.) Large yellow fruit.

Seckel. (Late summer.) Small brownish fruit.

PLUMS

Plums do best on rather heavy clay soils but will give good results almost anywhere. Superfluous, broken or diseased branches are pruned out late each winter.

Abundance. Flesh light yellow, very sweet.

Burbank. Large dark violet fruit.

Prune. Large dark blue fruit.



Cumberland Raspberries

CURRANTS AND GOOSEBERRIES

Plant in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way. The soil should be well cultivated. After planting, cut back the tops one-half of the previous year's growth. For the first four or five years some of the wood made in the spring should be cut back in the fall, in order to make a more symmetrical plant and a greater number of fruit-buds. General Garden Fertilizer forked in each fall around base of plant will prove very beneficial.

CURRANTS

2-yr. plants, 50 cts. each, \$5.50 per doz.

Fay's Prolific. Vigorous, productive bushes.

Large clusters of dark red, juicy berries.

Pres. Wilder. Upright bush. Fine, large, bright red berries, firm and juicy.

GOOSEBERRIES

2-yr., 75 cts. each, \$8.25 per doz.

Downing. Prolific with large pale green berries, full flavored and good.

Houghton. Medium-sized red berries.

Owing to quarantine regulations, we cannot ship Currants or Gooseberries outside New York State.

FRUIT ON BUSHES

Hansen Bush Cherries. A real novelty of merit. You can now have Cherries even though your gardening space is limited. Though the fruit of this Bush Cherry closely resembles a plum in size and shape, it comes in clusters completely covering the branches. The bush grows 5 to 6 feet tall and will usually bear fruits the second year, and yearly from then on. The fruit is of good flavor and is excellent for eating and making jams and jellies. 2-yr. plants, 18 to 24 in., \$1 each, \$11 per doz.

BLACKBERRIES BOYSENBERRIES RASPBERRIES

Ample repay high cultivation. Plant in rows 6 feet apart, 3 feet apart in the row. Cut out all old wood as soon as the canes have done bearing.

Young branches which appeared during the season may be tied to stakes to keep them off the ground; they will bear next year.

BLACKBERRIES

2-yr. plants, 25 cts. each, \$2.75 per doz., \$21 per 100

Alfred. Sweet and very hardy type; early. Large.

Eldorado. Large black very sweet berries.

THORNLESS BOYSENBERRIES

Wine-colored berries larger than blackberries and with a distinct flavor. Few seeds. Strong canes, 30 cts. each, \$3.25 per doz., \$22.50 per 100.

RASPBERRIES

All Raspberries, 2-yr. transplanted stock, 25 cts. each, \$2.75 per doz., \$22.50 per 100

Chief. (Red.) Midseason variety of heavy yield. berries. Midseason.

Cumberland. (Black.) Heavy bearer of delicious berries. Midseason.

Indian Summer. (Everbearing.) Fine red variety. Gives a full crop in June and another in the fall.

Latham. (Red.) A full crop of high-quality berries in June and July. Large, firm and sweet.

Logan. (Black.) Big yielder; good quality. Early.

St. Regis, Everbearing. (Red.) Crimson berries from early until late. Delicious.

BLUEBERRIES

Like moist, sour soil. To ordinary land add large quantities of peat and sand. Plant 4 feet apart.

Burlington. The mammoth berries are shown in color on page 26. Newest and best variety. 12 to 18 in., \$2.50 each, \$27.50 per doz. 18 to 24 in., \$3 each, \$33 per doz.

Concord. Grows 6 feet tall and bears heavy crops of large berries of best quality in July.

Rubel. Another 6-foot variety which ripens berries in August. Large fruit of fine color.

Above two, 12 to 18 in., \$2 each, \$22 per doz.; 18 to 24 in., \$2.50 each, \$27.50 per doz.

GRAPES

Plant at least 6 feet apart in ordinary good soil and train on wire or other supports.

All Grapes, 2-yr. selected stock, 60 cts. each, \$6.50 per doz., except where noted.

Caco. (Red.) Large wine-red berries. Midseason. 75 cts. each, \$8 per doz.

Catawba. (Red.) Dark purplish red berries of extra quality. Late.

Concord. (Black.) The standard blue-black Grape. Midseason.

Concord Seedless. Similar to Concord but seedless. Midseason. \$1.50 each, \$16.50 per doz.

Golden Muscat. (Yellow.) Large golden Grape. Midseason. \$1.50 each, \$16.50 per doz.

Niagara. (White.) Midseason; greenish white.

Portland. (White.) An early green-white Grape of highest quality.

Worden. (Black.) Large clusters of very sweet blue-black Grapes. Earlier than Concord.

5 FINE ROSES

MODERN:
Will Bloom
First Year

***PEACE**
Pat. 591.

Enormous pale gold
Roses, their petals edged
apple-blossom-pink. A
glorious tribute to men
of goodwill. Winner,
All-America Rose Se-
lections for 1946. \$2 ea.

Sorts marked * have
a pronounced perfume,
and those marked **
even more so.

****CALIFORNIA**. Pat. 449.

The enormous flowers are 5 to
6 inches across. \$1.50 each.

Everblooming ROSES for Every Garden COLLECTION A

FIVE NOVELTY ROSES

One each of 5 va-
rieties, dormant **\$7.50**
plants

Roses on this page
are dormant and are
available from March 1
to May 15.

After May 1 we can
also supply them grow-
ing in pots and ready
to put out into your
garden in full leaf. For
these Pot-grown plants
ADD 50 cts. each, \$2.50
for the collection of 5.

WE GUARANTEE our
Roses to reach you in
good condition and to
live; we will replace with-
out charge any that may
not be alive two months
after you purchase them.



****HEART'S DESIRE**. Pat. 501.

Strong, bushy plants bear
velvet-like blooms. \$1.50 each.

ANZAC. Pat. 636.

Coral-rose; golden sheen at base of petals. \$1.50 each.

***MME. CHIANG KAI-SHEK**. Pat. 664.

Loveliest yellow. Won the All-America Rose-trials held 1943. \$1.50 each.

4 of the Finest ROSES

COLLECTION B
4 Everblooming Bush Roses.
One each of 4 varieties,
dormant plants

\$5

We GUARANTEE our
Roses to reach you in good
condition and to live; we
will replace without charge
any that may not be alive
two months after you pur-
chase them.

****PRES. BOONE. Pat. 314.**
Velvety scarlet. \$1.25 each.

SANTA ANITA. Pat. 539. Continuous-blooming deep pink. \$1.25 each

***CONDESA DE SAS-
TAGO.** Red and yel-
low variety with heavy
foliage, glossy and dark
green. \$1.40 each.

Sorts marked *
have a pronounced
perfume, and
those marked **
even more so.

TREE ROSES

Beautiful everblooming kinds,
sweet scented, on 3½-ft. stems.
Ready May 1. North of Virginia
dig up in autumn and bury one
foot deep over winter, or heel in
under a shed.

Delivery in pots after May 1.

***PEACE. Pat. 591.** Enormous
pale gold Roses, their petals
edged pink. A glorious tribute
to men of good will. \$7 each.

OTHER SPLENDID COLORS

Red	White
Orange	Pink
Yellow	Two-tone. Red and gold.

Above six, each \$6.50.

The four Bush Roses
offered on this page are
dormant and are avail-
able from March 1 to
May 15.

After May 1
we can also sup-
ply them grow-
ing in pots and
ready to put out
into your garden
in full leaf. For
these Pot-grown
plants ADD 50
cts. each, \$2 for
collection of 4.

BUTTERSCOTCH
Pat. 613

A soft pastel capu-
cine-buff. \$1.50 each.

S. & W. CO.'S GUARANTEED EVERBLOOMING ROSES (Hybrid-Tee-scented)

OUTSTANDING VARIETIES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All are guaranteed.

Re-selected from No. 1 grade plants, these are the best obtainable. Each has three or more branches, according to the variety. They are dug in late autumn, the roots wrapped in damp moss, and kept over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality in your garden. Planted in spring, they will bloom this year.

YOUR PURCHASE IS INSURED; we will replace any that may not be alive two months after purchase.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the *double-ness* of a Rose: one with 23 is a semi-double bloom; one with 100 petals is heavy and tight, many varieties with fewer petals are preferred for their buds.

***Ami Quinard.** The pointed bud is followed by a large fragrant bloom; color is dark red combined with coppery scarlet but becomes very dark when mature. 36 petals. Dormant plants only, \$1.40.

Anzac. Patent 636. The flowers are coral-rose with a golden yellow sheen at the base of the petals. 50 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

***Apricot Queen.** Patent 464. Strong-growing, with shiny, leathery foliage. The long-pointed bud opens to a flower with petals of orange and apricot at the base, merging to salmony-rose and phlox-pink. 45 petals. Dormant plants only, \$1.50.

***Autumn.** Burnt-orange streaked and marked with red. Dormant plants only, \$1.40.

****Betty Uprichard.** Flowers large, semi-double, light salmon-pink, shaded copper. Dormant plants only, \$1.40.

Butterscotch. Patent 613. Vigorous plant with shining leathery foliage; orange blotched with jasper-red. 25 to 30 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

****California.** Patent 449. Vigorous plants; glossy foliage. Long, pointed bud opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned with saffron-yellow; exterior is overlaid with rose. Rich fruit fragrance. 30 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

****Christopher Stone.** A large loose flower of rich crimson-scarlet. Delicious Damask fragrance. Splendid, healthy plant. 30 petals. Dormant plants only, \$1.40.

***Condesa de Sagato.** Two-tone flowers—red on inside of petals and yellow on the reverse. Foliage heavy, glossy and dark green. A favorite. Dormant plants, \$1.40. In pots after May 1, \$1.90.

****Crimson Diamond.** Patent applied for. Long handsome buds open to perfect flowers with 35 to 40 petals. The color is a stunning velvety crimson-scarlet. Dormant plants only, \$2.

***Douglas MacArthur.** Patent 581. A leader among Roses, vigorous, hardy and free-blooming. Foliage is dark green, and rose, gold and salmon are blended into the color of the flower. A regal beauty. 24 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

****Dr. Bronscomb.** Deep rose-pink bloom, large and very double. Vigorous grower. Dormant plants only, \$2.

Edith Nellie Perkins. Long-pointed coppery buds open to high-centered flowers of soft salmon-pink inside, with a coppery rose reverse; mild scent. Strong, healthy plants. 40 petals. Dormant plants only, \$1.40.

****Editor McFarland.** Glowing pink, with a yellow suffusion. Large, semi-double blooms on a vigorous bush. Dormant plants only, \$1.40.

****Etoile de Hollande.** Long-pointed buds open to broad-petaled crimson blooms. Intensely fragrant; plants very strong, with almost perfect foliage. 35 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

***Glowing Carmine.** Strong grower with well-shaped buds of glowing carmine. Dormant plants, \$1.40. In pots after May 1, \$1.90.

****Golden Dawn.** Spreading plant with profuse, disease-resistant foliage. Fat buds open to large, double blooms of lemon or straw-yellow, with rich tea fragrance. 45 petals. Dormant plants only, \$1.40.

Grenoble. Large, fine blooms of clear scarlet. Vigorous plant with leathery foliage. 30 to 40 petals. Dormant plants only, \$1.40.

****Heart's Desire.** Patent 501. Long bright red buds open to graceful blooms of velvety red. Strong bushy plants bloom generously. 25 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

***Hinrich Gaede.** Large, double blooms of a rich luminous vermillion, shaded golden yellow. Dormant plants only, \$1.40.

***Joanna Hill.** Moderately fragrant. Orange in center, cream at edges. Always much admired. 40 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

***Kaiserin Auguste Viktoria.** High-centered, fragrant blooms of snow-white. 100 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Margaret McGredy. Large, cup-shaped, double flowers of glowing orange-scarlet, with a fiery sheen. A prize-winner. 40 petals. Dormant plants only, \$1.40.

McGredy's Scarlet. Red buds and nicely formed flowers of plain red. Faint tea scent. Strong-growing; healthy foliage; blooms continuously from spring to frost. 35 petals. Dormant plants only, \$1.40.

McGredy's Yellow. Canary-yellow blooms of good form. Vigorous and free blooming. 35 petals. Foliage large, glossy and bronzy. Dormant plants only, \$1.50.

***Mme. Chiang Kai-shek.** Patent 664. The honor Rose, because it won the All-America competitive Rose-trials held in 1943. Named in honor of the first lady of China, and the loveliest of all yellow Roses. 24 to 30 petals. Dormant plants, \$1.50. In pots after May 1, \$2.

***Mme. Joseph Perraud.** Nasturtium-colored buds; yellow flowers tinted copper at the center are on long stems. 25 petals. Dormant plants only, \$1.40.

***Mme. Jules Bouche.** A splendid white. Long-pointed, shapely buds. Dormant plants, \$1.40. In pots after May 1, \$1.90. **Mrs. E. P. Thom.** Nice, yellow buds opening to unfading yellow flowers. Mild scent. Plants of average growth, bloom freely, but the foliage must be kept sprayed or dusted against disease. 40 petals. Dormant plants only, \$1.40.

****Mrs. Oliver Ames.** Patent 497. The flower is a rich self color—medium yellow. It is of good substance, averaging 60 petals. Outstanding features are its exceptional fragrance and the strong-growing, healthy bushes. Dormant plants only, \$1.40.

****Mrs. Pierre S. du Pont.** Deep golden yellow. Highly attractive; rich fragrance. 40 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

***Peace.** Patent 591. The ovoid buds are handsome golden yellow and pink, and they open to enormous flowers, often 5 inches across, that are cream-gold, with petals edged apple-blossom-pink. 40 to 45 petals. Dormant plants, \$2. In pots after May 1, \$2.50.

****Pink Dawn.** An exceptional Rose, producing many fully double, fragrant blooms of glistening pink. Dormant plants only, \$1.40.

****Pink Diamond.** Patent 516. Slender pink buds open to a spiral bloom of dainty shell-pink. Upright free-blooming plants. 35 to 40 petals. Dormant plants only, \$1.50.

***Poinsettia.** Bright, unfading scarlet-red; 35 petals and very large. Rich tea fragrance. Dormant plants only, \$1.40.

****President Boone.** Patent 314. Profuse-blooming variety with leathery foliage; very vigorous. Large, globular blooms are pure velvety scarlet-crimson. Dormant plants, \$1.25. In pots after May 1, \$1.75.

***President Herbert Hoover.** Delightful fragrance. Mixture of scarlet, yellow, cerise and flame. 25 petals. Dormant plants \$1.40. In pots after May 1, \$1.90.

****Radiance.** Rich old-time Rose fragrance. The world's favorite pink. 23 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

****Red Radiance.** Richly fragrant. Large cerise-red blooms. Derservedly popular. 23 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

***Santa Anita.** Patent 539. High-centered blooms of deep pink are produced all summer when most Roses are resting. 20 petals. Dormant plants, \$1.25. In pots after May 1, \$1.75.

***Talisman.** Fragrant. Mixture of red, orange, pink and bright yellow. Vigorous growth; husky foliage. 25 petals. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Climbing Roses for Fence, Trellis, or Post

Climbing Roses may be trained over an arch, draped around posts, or festooned from one post to another. Planted on steep slopes, and pegged down, they hold the soil against erosion. They require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered; but prune severely in July, directly after they have finished flowering.



Climbing American Beauty

Floribunda Roses

In this grouping, flowers are medium to large. Average height, 2 feet.

Cecile Brunner (Sweetheart Rose). Dainty flowers of soft pink and yellow.

Cheerio. Large, semi-double, carmine-cerise blooms; slightly fragrant.

Ellen Poulsen. Large, double flowers in bunches. Cherry-pink.

Gloria Mundi. Medium large, double, orange-scarlet blooms.

Improved Lafayette. Semi-double, perfumed, bright cherry-crimson flowers in bunches. Vigorous plant.

Pink Jewel. Semi-double and slightly fragrant blooms are arbutus-pink.

Pinocchio. Patent 484. Semi-double flowers are suffused pink and salmon. Hybrid-Tea form.

Sunmist. Semi-double flowers are clear light sulphur-yellow.

Floribunda Roses, dormant plants only, \$1.25 each

Polyantha Roses (Baby Ramblers)

Hundreds of medium-small flowers in clusters. This type forms shapely, compact, bushy specimens, most of the varieties growing about 1½ feet high.

Cameo. Clusters of semi-double, salmon-pink blooms.

Golden Salmon Superieur. Clusters of medium-sized, semi-double blooms, salmon-gold in color.

Polyantha Roses, dormant plants only, \$1.25 each

To Help You Choose

Everyone enjoys the scent of Roses, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

***Blaze**. Patent 10. Spectacular blazing red blooms, flowering profusely in early summer and some later blooms. Dormant plants only, \$1.50.

***Climbing American Beauty**. A pleasing rose-pink. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. Dormant plants only, \$1.40.

***Easlea's Golden Rambler**. Patent 114. Clusters of large, chrome-yellow and maddery orange blooms. Dormant plants only, \$1.40.

***Emily Gray**. Splendid clusters of semi-double, buff and amber-yellow blossoms. Vigorous climber. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Mary Wallace. Large, rose-pink flowers. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Mme. Gregoire Staechelin. Very large, double, fragrant flowers are delicate pink, outside stained crimson. Heavy dark foliage. A climbing Hybrid Perpetual Rose, June blooming. Dormant plants only, \$1.40.

New Dawn (The Everblooming Dr. W. Van Fleet). Patent 1. Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. Dormant plants only, \$2.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. Dormant plants, \$1.40. In pots after May 1, \$1.90.

***Primrose**. A real hardy yellow Rambler. Dormant plants, \$1.40. In pots after May 1, \$1.90.

Silver Moon. Pure white in color. Splendid dark green, leathery foliage. Dormant plants only, \$1.40.

Hardy Hybrid Perpetuals

June-blooming Roses. Average height about 3 feet.

Frau Karl Druschki. Very large, snow-white flowers.

***Henry Nevard**. Enormous, crimson-scarlet blooms. Dark green, leathery foliage.

***Magna Charta**. Bright pink, very large, very double flowers, suffused with carmine; heavily perfumed.

***Marshall P. Wilder**. Bright scarlet-crimson. Very large.

Hybrid Perpetual Roses, dormant plants only, \$1.25 each



Hybrid Perpetual Roses



Polyantha Roses

Shrubbery Roses

Will bloom this summer. Average height about 4 feet.

F. J. Grootendorst. Clusters of small, red flowers, double, with frilled petals.

Pink Grootendorst. Similar to the above, but the flowers are clear pink.

Hugonis. From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet.

Shrubbery Roses, dormant plants only, \$1.25 each

Tree Roses

On strong, straight 3½-foot stems

Plant them in your hardy border or Rose-garden, where they will stand head and shoulders above their companions. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging.

Peace. Pat. 591. Enormous pale gold Roses, their petals edged pink. A glorious tribute to men of good will. In pots, ready May 1, \$7.

Six other colors available:

Red	White
Orange	Pink
Yellow	Two-tone . Red and gold.

Any of the above six, in pots after May 1, \$6.50 each

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (April 10 shipment)

For ponds, lakes, or in still pools along a stream. Plant in about 2 feet of water. Once established, they become a source of permanent beauty.

Attraction. Immense flowers, produced freely, and bright red in color. \$3 each.

Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$2 each.

Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2.75 each.

Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2.50 each.

Gladstone. Large, pure white, globular flowers. \$2 each.

Gloriosa. Beautiful clear red, deepening to dark red. \$3 each.

Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.75 each.

Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$2.25 each.

Marliac White. Waxy white flowers, with bright yellow stamens. \$1.50 each.

Marliac Yellow. Bright chrome-yellow flowers. \$2 each.

Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1.25 each.

Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2.50 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Day-bloomers, whose flowers open with the sun and close at evening, and the Night-bloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

Day-Blooming Sorts

August Koch. Pale wisteria-violet. Excellent variety. \$2.50 each.

Blue Beauty. Deep blue flowers, 10 to 12 inches across. \$2.50 each.

Cærulea. The original blue Lotus of the Nile. Fragrant. \$1.75 each.

Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.50 each.

Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$2 each.

General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.75 each.

Mrs. E. Whitaker. Flowers 10 to 12 inches across, pale blue. One of the best hybrids. \$2.50 each.

Mrs. George H. Pring. Best pure white; large; fragrant. \$2.25 each.

Zanzibariensis (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$2 each.

Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.75 each.

Night-Blooming Sorts

Bissett. Beautiful pink; wide petals. One of the best. \$2 each.

Devonshire. Rosy red, 8- to 10-inch flowers. Bronze leaves. \$2 each.

Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2.50 each.

Omara. Produces large flowers of a deep rose color. \$2 each.

Lotus

Tubers are available from April 10 to June 1. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

American Lotus (*Nelumbium luteum*). Native variety having large, cream-yellow flowers with a delightful fragrance. \$2.50 each.

Sacred or Egyptian Lotus (*N. nuciferum*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. \$2.75 each.

Double-flowering Rose Lotus (*N. roseum plenum*). Deep rose-pink. \$3.50 each.

Chinese Lotus (*N. pekinensis*). Double flowers of a rich rose-red. \$3.50 each.

Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants (April 10 shipment)

Sweet Flag (*Acorus Calamus variegatus*). Variegated leaves. 90 cts. for 3, \$3.25 per doz.

Water Poppy (*Hydrocleis nymphoides*). 50 cts. for 3, \$1.75 per doz.

Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.

Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.

Yellow Flag (*Iris Pseudacorus*). 90 cts. for 3, \$3.25 per doz.

Marsh Iris (*Iris versicolor*). 90 cts. for 3, \$3.25 per doz.

Oriental or Water Taro (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.

Oriental or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.

Egyptian Paper Plant (*Cyperus Papyrus*). \$1 for 3, \$3.75 per doz.

Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.

Water Plantain (*Alisma Plantago*). \$1 for 3, \$3.75 per doz.

Wild Rice (*Zizania aquatica*). 50 cts. for 3, \$1.75 per doz.



Shallow-Water Plants (April 10 shipment)

Arrow-head (*Sagittaria latifolia*). Well-known native plant. 90 cts. for 3, \$3.25 per doz.

Cattail (*Typha latifolia*). \$1.75 per doz.

Floating Heart (*Nymphoides peltatum*). 50 cts. for 3, \$1.75 per doz.

Marsh Marigold (*Caliba palustris*). 90 cts. for 3, \$3.25 per doz.

Parrot Feather (*Myriophyllum proserpinacoides*). 50 cts. for 3, \$1.75 per doz.

Pickereel Rush (*Pontederia cordata*). 90 cts. for 3, \$3.25 per doz.

Water Nasturtium. 50 cts. for 3, \$1.75 per doz.

Floating Plants (April 10 shipment)

Azolla (*Azolla caroliniana*). 45 cts. per portion.

Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.

Duck Weed (*Lemna minor*). 40 cts. per portion.

Salvinia (*S. brasiliensis*). 40 cts. per portion.

Water Lettuce or Shell Flower (*Pistia Stratiotes*). 50 cts. for 3, \$1.75 per doz.

Water Hyacinth (*Eichbornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating) (April 10 shipment)

Sagittaria guyanensis. \$1.50 for 3, \$5.50 per doz.

Sagittaria sinensis. 50 cts. for 3, \$1.75 per doz.

Vallisneria. \$1 per doz.

Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.

Anacharis, Cabomba (Fanwort; Fish-Grass), **Milfoil** (*Myriophyllum*), **Ludwigia.**

Above 4, per bunch 45 cts., doz. bunches \$4.50

COLLECTIONS OF WATER PLANTS

HARDY POOL COLLECTION No. 86. \$10 (Ready April 10)

Suitable for a pool about 30 square feet in area. One each: Water-Lily, *Gloriosa* (red), *Gladstone* (white) and *Pink Opal*. Also the following aquatic plants:

5 plants for a centerpiece or background 3 floating plants
12 plants for corners or margins 3 submerged plants

COLLECTIONS OF TROPICAL WATER-LILIES (Ready June 1)

No. 862. Two day-blooming kinds, *Mrs. George H. Pring* and *Mrs. E. Whitaker.* (Value \$4.50.) \$4 00

No. 863. One each of three night-blooming sorts, *Juno*, *Devonshire* and *Bissett* (Value \$6.25.) 5 50

No. 864. One each of four day-blooming sorts (Value \$10.50.) .. 9 50



We have added departments like this one in our New York headquarters to all our stores. Here sophisticates may find rare delicacies and unusual foods

HORS-D'OEUVRE AND COCKTAIL SPECIALTIES

Anchovy Strips. Delicious on fingers of toast with cocktails or cut up in mixed green salads. 2 oz. tin	3 for \$1 10	Per doz. \$4 25
Anchovy Paste. Imported. Made only from imported Anchovies with a little salt added. 2 3/4 oz. jar	1 20	4 60
Anchovies Stuffed with Capers and Pimientos, in pure olive oil. 8 oz. jar	\$1.85	5 50 21 50
Rolled Anchovies. Serve them on toast, as canapes. 2 oz. tin	1 10	4 25
Imported Antipasto. From Portugal. A real treat of delicacies for cocktails and snacks. 4 1/2 ozs.	1 50	5 85
Russian Caviar. The real imported Caviar. Fine for canapes and garnishing. 1 oz.	\$1.65	4 85 19 00
	2 ozs.	\$3.25 9 50 37 50
	4 ozs.	\$6.50 19 00 75 00
Chicken Liver Pate. A fine spread, ideal for sandwiches, hors-d'oeuvres and salads. 4 oz. glass jar	1 40	5 50
Whole Cod Liver. Imported delicacy, packed in tasteless cod liver oil. Unusual for canapes. 6 oz. tin	2 45	9 70
Crab Meat. Choice lumps of white meat, perfect for cocktails and salads. 6 1/2 oz. tin 90 cts.	2 60	10 20
Barbecued Crab Meat Legs. Splendid for hors d'oeuvres, also for your tossed salad. 3 1/2 ozs.	1 94	7 60
Cocktail Franks. Tiny sausages made of pure ingredients and most flavorful. 33 pieces in 6 oz. jar	1 65	6 50
Devised Smithfield Ham. New taste thrill for sandwiches and canapes. 3 ozs.	1 00	3 90
	7 ozs.	2 10 8 25
	16 ozs.	\$1.60 4 70 18 50
Lobster Paste. For delicious hors-d'oeuvres. 4 ozs.	95	3 75
Mushroom Bordelaise. Spiced Mushrooms to heat and serve with steak or omelet. 7 ozs.	1 50	5 75
Smoked Mussels. Used as an hors-d'oeuvre. Served with your favorite drink. 3 1/4 ozs.	1 90	7 40
Smoked Oysters. At last it is back—the old favorite among gourmets. 3 1/2 ozs.	2 50	9 85
Pate de Foie with Truffles. A real delicacy for canapes. 7 oz. tin	\$1.12	3 30 13 00
Rattlesnake Meat with Supreme Sauce. Sweet, delicate meat in a superb sauce. 5 ozs.	\$1.55	4 50 17 75
Smoked Shad Pate. Highly flavored; for sandwiches. 3 1/2 ozs.	1 00	3 85
Pate of Smoked Rainbow Trout. Lovely new-tasting fish pate for cocktail spreads. 3 3/4 oz. tin	3 00	11 75

Genuine Truffled Goose Liver Purée. 2 3/4 ozs.	\$1.00	2 90	11 25
Smoked Turkey Pate. Spread for sandwiches. 6 ozs.	\$1.00	2 90	11 25

OLIVES

Martini Olives. Fine for your favorite drinks. 4 ozs.	\$1 35	Per doz. \$5 25
Stuffed with Anchovies. 2 oz. tin	1 20	4 65
Half stuffed, half plain. 21 ozs.	\$1.70	5 00 19 50
Plain Queen. 12 3/4 ozs.	\$1.05	3 10 12 25
Plain Queen. 21 ozs.	\$2.20	6 50 25 50
Stuffed with Olives. 7 1/4 ozs.	75 cts.	2 20 8 60
Stuffed with Pimientos. 10 ozs.	\$1.25	3 60 14 00
Stuffed Queen. 22 ozs.	\$2.30	6 75 26 50
Garlic Flavor. 4 1/2 ozs.	75 cts.	2 15 8 45
Colossal Black Ripe. 8 1/2 ozs.	75 cts.	2 20 8 60
Gargantuan ripe. Tremendous beauties. 15 ozs.	\$1.50	4 25 16 50
Gargantuan green. Like elongated ping-pong balls. 9 3/4 ozs.	2 75	10 50

Cocktail Set-Up. The makings for perfect Old Fashioned—orange cherries and bitters. 19 oz. jar	\$2 75	Per doz. \$10 50
Maraschino Cherries (without stems) for garnishing and cocktails. 28 ozs.	\$1.85	5 50 21 00
Cocktail Onions. For salads and drinks. 4 ozs.	1 80	7 00
Orange Slices. For many uses; not the least is to enhance an Old-Fashioned. 15 oz. jar	1 70	6 70

COCKTAIL CRACKERS

Beaten Biscuits. Make unusual and tempting hors-d'oeuvres with cold meats and salads. 3 ozs.	90	3 40
Canape Wafers. Assorted shapes all ready for your various spreads. 48 pieces.	1 25	4 85
Bent's Old-Fashioned Water Crackers. The size of a silver dollar. Perfect toasted and served with cheese. Lb. pkg.	1 55	6 10
Melba Toast. Nice for serving various canapes on. 3 oz. pkg.	75	2 90
Mellow Whip Peanut Butter Sandwich. Peanut butter between melba toast. 4 1/2 oz. box	1 25	4 85
Mello-Melba Cheese Sandwiches. Fine aged cheese between golden melba toast. 4 1/2 oz. box	1 25	4 85

WILD LIFE IN THE KITCHEN

Pheasant Giblet Pate. Real delicacy to serve on toast with chopped eggs. 3 for \$1.50 each	3 for \$4 40	Per doz. \$17 40
Pheasant All Meat Pate. A new product made of delectable meat ground and seasoned for cocktail spreads and tea sandwiches. \$1.50 each	4 40	17 40
Whole Canned Pheasant. The whole delectable bird in its pure juices. Ready to eat; serve it cold or warmed, as you prefer. 3 lbs.	\$8.00	23 50 92 00
Canned Pheasant. Disjointed bird; delicious. Serve as is, or warmed. 1 3/4 lbs.	\$6.50	19 00 74 50
Wild Turkey Broth with Wild Rice. 10 1/2 ozs.	2 25	8 60
Wild Pheasant Broth with Wild Rice. 10 1/2 ozs.	2 25	8 60
Wild Turkey a la King. Unusual luncheon or supper dish. Just heat and serve on toast. 10 1/2 oz. tin	\$1.65	4 85 19 00
Pheasant a la Newburg. For that unusual luncheon or late snack. A very distinctive flavor. 10 1/2 ozs.	\$1.65	4 85 19 00

FISH, FOWL, MUSHROOMS etc., at Their Best

Artichoke Bottoms in Broth			Per
For unusual salads. Packed in		3 for	dol
Paris. 6 pieces, 3½ ozs.	\$1.75	\$5 00	\$19 50
Artichoke Hearts. In vinegar.			
Salads built around these are out			
of this world. 16 ozs.	1 80	7 00	
Sea Bass. Solid meat. Packed in			
its own oil. 7½ oz. tin	1 75	6 75	
Boneless Chicken. The best of the			
meat, and all meat. The main			
course of a splendid meal at a mo-			
ment's notice. Lb. \$2.20	6 50	25 50	
2 lb. 3 oz. tin \$3.99	11 90	47 40	
Chicken a la King. All ready to			
heat and serve on toast. 11½ ozs.	1 90	7 50	
Corn Beef Hash. A de luxe item.			
Nourishing, with a flavor that is			
astoundingly good. 16 ozs.	1 75	6 75	
Smoked Silver Eel. A wonderfully			
flavored, real delicacy. 8 oz. tin	1 95	7 60	
16 oz. tin	3 80	15 00	
Escargots (Snails). Snail lovers			
will welcome these. 7 oz. tin \$1.35	3 90	15 00	
10 oz. tin \$2.60	7 60	30 00	
Iceland Fish Balls. Cook in deep			
fat and serve a taste thrill. 10 ozs.	1 90	7 40	
Frankfurters. The delicious im-			
ported style. Packed 6 to a tin.			
14 ozs. \$1.10	3 20	12 60	

Fish, Fowl, Mushrooms, etc., cont'd

Lobster a la Newburg. A delightful supper and luncheon dish in rich sherry sauce. Bountiful amount of lobster meat.	13 oz. tin \$1.15	3 for \$3 35	Per doz. \$13 25
Dried Sliced Mushrooms. Imported. So suitable for all dishes requiring this delicacy.	1 oz.	1 55	6 10
Mushrooms Broiled in Butter. Ten to twelve large Mushrooms cooked and seasoned; use as garnish on meats, or on toast.	6 oz. tin	1 85	7 25
Bay Mussels. Succulent tender Mussels—excellent for chowder, fritters or fish stews.	10 oz. tin	85	3 25
Whole Ox Tongue. One whole Ox Tongue ready for eating. Fine for sandwiches, etc.	1 lb. \$1.75 each	5 00	19 50
Hearts of Palms. The inside of the palm tree. A rare Brazilian salad.	26 oz. tin \$1.45	4 25	16 50
Salmon. Fancy Columbia River Salmon Steaks. 1 solid piece in oval tins.	15 oz. tin \$1.15	3 30	13 00
Smoked Blueback Salmon. A mild smoking makes this delicious fish so unusual for salads and hors-d'oeuvres.	7 oz. tin	2 40	9 40
French Sardines in Olive Oil. Yacht Club Brand packed by Rene Beziars.	4 3/4 oz. tin	2 45	9 60
Spanish Boneless Sardines packed in pure olive oil.	3 3/4 oz. tin	1 40	5 40
Portugese Sardines. Skinless and boneless.	3 3/4 ozs.	1 40	5 40
Norwegian Sardines. This flavorful Sardine is again available, packed in oil.	3 3/4 oz. ti.	1 20	4 50
Smoked Shad. Perfect piece of Shad smoked and canned.	15 1/2 ozs.	2 05	8 10
Shad Roe. Two perfect Roes in their own broth.	7 1/2 oz. tin \$1.10	3 20	12 50
Jumbo Shrimp (Louisiana.) Again this choice item is back. Jumbo size.	5 oz. tin 85 cts.	2 45	9 60
Iceland Brook Trout. Three or four Trout in tin ready for broiling or frying.	8 oz. tin \$1.25	3 60	14 10
Turkey a la King. Simply heat; then serve on toast.	16 ozs.	2 50	9 75
Smoked Turkey Slices. Keep several jars on your pantry shelf, and enjoy often.	12 ozs. \$2.25	6 50	25 00
Smoked Chef's Ready-Cut. Light and dark meat cut from luscious smoked turkeys.	12 ozs. \$2.25	6 50	25 00
Green Turtle Meat. Delectable meat for your favorite turtle recipe.	2 lbs. 4 ozs. \$2.75	8 10	31 90
Welsh Rarebit. Made from finest Cheddar Cheese, properly seasoned. Just heat and serve on toast.	12 oz. jar	1 90	7 50
Wild Rice. For serving with all game and fowl.	Lb. box \$1.75	5 10	20 25

JAMS, PRESERVES, CONSERVES

Lingon Jam. (Tyttebaer.) From imported Lingon berries. For meats and pancakes.	16 ozs. \$1.40	3 for \$5 40	Per doz. \$17 50
Peach.	10 ozs.	1 40	5 40
Pineapple.	16 ozs.	1 50	5 85
Plum.	16 ozs.	1 40	5 40
Raspberry.	16 ozs.	1 90	7 40
Strawberry Preserve. The finest berries packed in jars and sugar added—whole fruit not to be confused with jam.	16 oz. jar	2 15	8 40
Cashew Fruit Preserve. A product of Brazil. New and exotic. Splendid on muffins, toast and with various light meats.	13 oz. jar \$1.25 each	3 50	13 50
Roger Bently Bittersweet Orange Marmalade.	16 ozs.	1 50	5 85

SWEET CRACKERS, BISCUITS FRUIT CAKE and COOKIES

Butter Cookies. These have a delicious rich, melting flavor.	2 1/4 lb. box \$1.65	3 for \$4 80	Per doz. \$18 60
Chocolate Cookie Sandwiches. A layer of pure chocolate between thin cookies.	14 oz. tin \$1.25	3 65	14 50
Chocolate Filbeaus. (Frou frou.) Fine chocolate wafers filled with hazel nuts and covered with chocolate. Used with fruit and ice cream. 10 pieces to a box.	\$1.25 each	3 60	14 25
Chocolate Thins. (Carlsbader Oblaten). Two chocolate wafers filled with chocolate. Nice to serve with all desserts. 60 pieces. \$1.50 each	\$1.50 each	4 40	17 50
Viennese Confectioners Cookies. Something new and sprightly for the party. Really "Petits Fours." Serve with ice cream and other desserts.	Lb. \$1.45	4 25	16 75
Old English Brandied Fruit Cake. A mixture of delicate spices and choice imported and domestic fruits which have been aged in brandy for many months.	Lb. \$1.75	5 00	19 50
	3 lbs. \$4.85	14 40	57 00
Scotch Oat Cakes. Imported. 8 ozs.	1 20	4 60	
Scotch Short Bread. Imported. 8 ozs.	1 20	4 60	
Vanilla Thins. (Carlsbader Oblaten). 60 pieces.	\$1.50 each	4 40	17 50

Products of Chinatown:

Chum-bits. Toasted Sweet	3 for	Per doz.
Rice Cakes. 5 oz. jar	\$1 75	\$6 75
Rice Cakes (30 pieces). The original Tea Cake. 7 oz. pkg.	1 80	7 00
Rice Cake Golden Nuggets (30 pieces). 4 oz. pkg.	1 65	6 40
Fortune Teller Rice Cakes (16 pieces). 3 1/2 oz. pkg.	1 35	5 25

DELICACIES, CANDIES, SWEETS and NUTS

Allen's Toffee. (Famous in England since 1860.)	28 ozs. \$1.25	3 for \$3 65	Per doz. \$14 00
Almondola. Superb sugared almonds with heavy chocolate coating.	Lb. \$1.50	4 40	17 40
Baba-au-Rum. A delicious cake thoroughly soaked in rum sauce.	14 oz. tin \$1.15	3 25	12 75
Wallace's Chocolate Wafer Thin Mints. Very scarce. They are delightful square mints packed in individual glassine bags, a really delightful confection.	Lb. box \$1.45	4 25	16 75
Wallace's Regent Chocolates. Superb continental style chocolates with a select variety of centers in miniature.	Lb. box \$2.75	8 00	31 00
Wallace's Selected. A new package of delicious assorted sample Chocolates; with candies, nougat and Jordan almonds.	Lb. \$1.65	4 85	19 00
Crepe Suzettes. Real French suzette of finest ingredients rum-soaked; heat and serve.	16 ozs. \$2.00	5 85	23 25
Maple Sugar Bricks. Simmer in 3 cups of water until dissolved, then strain and you will have pure maple syrup.	Lb. brick \$1.25	3 60	14 25
Vermont Maple Syrup. Absolutely pure.	1/2 gal. can \$3.90	11 40	44 50
Vermont Maple Syrup. (Gold Cup.)	12 oz. jar 60 cts.	1 75	6 85
Mixed Nuts in Sherry Wine. Fine over desserts.	14 ozs. \$1.75	5 15	20 25
French Sherry Pralines. A favorite candy at the court of Empress Eugenie.	8 ozs. \$1.25	3 60	14 00
Napoleon Rum Cakes. Miniature cakes from an old recipe that uses rum, fruit and nuts.	12 ozs. \$1.85	5 40	21 00

Delicacies, Candies, Sweets and Nuts, continued

Prunes in Heavy Rum. This fancy fruit has aged for one year in heavy rum and then jarred. A rare treat.	15 ozs. \$1.75	3 for \$5 00	Per doz. \$19 75
Brandied Dates. Delicious confections packed in wooden kegs, hand decorated in Mexican designs. A colorful gift.	5 lbs. \$7.75	22 50	87 00
Dates Whole in Brandy. To be used for extra delight with many kinds of desserts.	14 oz. jar \$1.60	4 60	18 00
Brandied Peaches.			
Brandied Pears.			
Brandied Apricots. Above three, each,	18 ozs. \$1.20	3 50	13 75
Brandied Bing Cherries.			
Brandied Royal Ann Cherries. Above two, each,	18 ozs. \$1.35	4 00	15 50

HONEY

Table-Honey. Fine Blended Central American kinds, absolutely pure, packed in special dripless server.	24 ozs. \$2.75	3 for \$8 25	Per doz. \$10 75
Churned Honey. Soft velvety spread. Fine on toast and waffles.	1 lb. jar	1 80	7 00
California Orange Blossom.	1 lb. jar	1 65	6 40
New York State Clover Blossom.	1 lb. jar	1 65	6 40
California Alfalfa.	1 lb. jar	1 50	5 75
Colorado Dandelion.	1 lb. jar	1 75	6 75
Heard's Georgia Gallberry.	1 lb. jar	2 10	8 25
Shearman's Tulip Tree.	1 lb. jar	1 75	6 75
Catskill Mountain Wild Thyme.	1 lb. jar	1 50	5 75
New York State Basswood.	1 lb. jar	1 75	6 75
Sumnick's Loosestrife.	1 lb. jar	2 10	8 25
Bunting's Texas Huajilla.	1 lb. jar	2 10	8 25
New York State Buckwheat.	1 lb. jar	1 35	5 25
Manchester's Vermont Clover.	1 lb. jar	1 75	6 75
Wild-Flower Honey in Quaint Smoky Mountain Pottery Jugs. Gaily colored, beautifully hand-made jugs filled with superb Wild-Flower Honey. Grand gift for week-end hostess.	16 oz. jug \$1.75	5 00	
	24 oz. jug \$2.25	6 50	

KOPPER KETTLE SPECIALTIES

From California fresh fruits. Famous for purity in one-pound jars, except where noted.

Plum Jam.	3 for \$1 05	Per doz. \$4 00
Mint Jelly.	1 15	4 40
Apricot Jam, Crabapple Jelly, Peach Jam, Quince Jelly. Each	1 20	4 60
Grape Jelly.	1 30	5 00
Apricot-Pineapple Jam.	1 40	5 40
Blackberry Jelly.	1 70	6 50
Cherry Jam.	1 90	7 40
Strawberry Jelly.	2 00	7 75
Strawberry Jam.	2 15	8 40
Guava Jelly.	12 ozs. 1 30	5 00
Calves' Foot Jelly. Superior quality. Perfect for invalids.	13 1/2 ozs. 1 75	6 85

DESSERT TOPPINGS

For enhancing the flavor of cakes, ice creams, etc.

Chocolate Butter Fudge.	15 ozs. \$1 15	3 for \$4 50	Per doz. \$15 00
Butterscotch Fudge.	15 ozs.	1 15	4 50
Chocolate Syrup.	15 ozs.	70	2 60
Melba Sauce. Made from raspberries; pure. Ideal for topping puddings, ice cream, etc.	8 ozs.	1 85	7 25
Nesle's. A fine dessert sauce rich in nuts and fruits.	12 ozs.	2 20	8 60
Delectable Creme d'Apricot, Creme de Cherry, Creme de Cocoa. The above three dessert sauces are of superb flavor. Contain 12% alcohol.	12 oz bottle	3 90	15 50

CANNED FRUITS

Royal Dark Cherries with Pits. These luscious delights packed in heavy syrup.	3 for 29 oz. tin	Per doz. \$8 50
Fancy Fruit Cocktail. In heavy syrup.	1 75 29 oz. tin	6 80
Royal Ann Cherries. Fancy, in extra heavy syrup.	1 90 29 oz. tin	7 50
Old Fashioned Whole Cranberry Sauce, made from an old family recipe.	1 20 1 lb. tin	4 60

HIGH QUALITY SPICES

Since the amount of spice used in a dish is so small, it pays to use the best to avoid harsh results.

Allspice, Powdered.	1 1/2 ozs.	\$1 00
Allspice, Whole.	1 1/2 ozs.	1 00
Caraway Seed.	2 ozs.	1 00
Celery Seed.	2 ozs.	1 00
Cinnamon.	2 ozs.	1 45
Cloves, Powdered.	1 1/4 ozs.	1 00
Cloves, Whole.	1 1/2 ozs.	1 00
Coriander.	1 1/2 ozs.	1 00
Curry, Imported.	2 ozs.	1 00
Dill Seed.	1 1/2 ozs.	1 00
Ginger, Powdered.	2 ozs.	1 00
Ginger, Whole.	2 ozs.	1 00
Nutmeg, Powdered.	2 ozs.	1 15
Nutmeg, Whole.	2 ozs.	1 00
Orange Peel, Sweet.	2 ozs.	1 00
Paprika, Sweet.	2 ozs.	1 00
Pepper, Whole Black.	2 3/4 ozs.	1 95
Poppy Seed.	2 ozs.	1 00
Salt, Celery.	2 ozs.	1 00
Salt, Hickory. It is smoked over a hickory fire, and imparts a special flavor.	3 ozs.	1 00
Vanilla, Whole Bean.		1 45

SUPER HERB SEASONINGS

With these, food may be prepared with the subtlety of a fine art. Directions enclosed.

Salad	Savory
Omelet	Mint
Onion	Tomato
Consomme	Creole
Soup	Fish
Poultry	Garlic
Glass jars, 1/2 oz. net. 35 cts. each, \$3.85 per doz.	

FAMOUS PIQUE SAUCES

In 6-oz. bottles		
Kitchen Magic. A miracle seasoning with meaty flavor.	3 for \$2 05	Per doz. \$8 10
Gravy Aid. Makes pale, flat gravies rich, brown and delicious.	1 70	6 70
Sherry Wine Sauce. Old formula.	1 35	5 35
Fish Sauce. Perfect contrast for the bland fish flavor.	1 20	4 75
Roquefort Dressing. As good as you would make it yourself.	1 10	4 35
Barbecue, Chow Mein, Mint, Mushroom, Steak and Worcestershire Sauces; French and Vinaigrette Dressings. Each	1 00	3 90

VINEGARS

Pineapple Vinegar. An unusual Vinegar from the Hawaiian fruit, bottled in California.	16 ozs.	80	3 10
Malt Tarragon Vinegar (True French Flavor).	16 ozs.	1 15	4 50
Tarragon-flavored Wine.	16 ozs.	2 05	8 00
Salad Bouquet Red Wine.	16 ozs.	2 05	8 00
Plain Red Wine.	16 ozs.	2 05	8 00

OILS

Suitable for salads, cooking and frying. pure. Packed in one pint tins.			100%
	Each	3 for	Per doz.
Almond.	\$2 25	\$6 50	\$25 50
Avocado.	2 00	5 75	22 50
Epicurean.	1 50	4 35	17 00
Pure Olive Oil, Spanish	1 gal. tin	15 00	
Pure Olive Oil, Di Nola Brand.	1 pt.	1 75	5 00 19 00

SUPERB WINE DRESSINGS

		3 for	Per doz.
Sherry Wine.	16 ozs.	\$1 35	\$5 25
Sauterne Wine.	16 ozs.	1 25	4 85
Burgundy Wine.	16 ozs.	1 25	4 85

SAUCES and RELISHES

Arti Chow. A real chow-chow with artichoke chips added.	16 oz. jar	\$1 10	Per doz. \$4 30
Capers. Delightful relish for fish, canapes, sauces, salads, stews. Fresh cured in herbs. Choose from Tarragon, Dill, Plain.	3 1/4 ozs.	1 00	3 85
Imported Indian Mango Chutney (Green Label).	9 oz. jar	1 65	6 50
Javin Indian Chutney. A condiment that combines hot spices with rich fruits.	Lb. jar \$1.00	2 90	11 50
Major Grey's Chutney (Imported). Splendid with curried dishes and summer meals.	11 1/2 ozs.	3 00	11 75
Chutnut. Delicious with roasts, fowls, curries, sandwiches.	10 ozs.	1 50	5 75
Javin Curry Powder. Splendid for the many curried dishes so popular.	4 1/2 ozs. 70 cts.	2 00	7 75
Mustards, French Type. Made in U.S.A. from an old Dijon formula. Mustard seeds and spices, salt, herbs, wine and vinegar. Three flavors: Sharp, Tarragon, Tomato.	5 ozs. 60 cts.	1 75	6 75
New Hampshire Watermelon Rind (Greig's). A favorite at St. Paul's School.	1 lb. jar	2 25	8 75
Oyster Sauce. Serve it with all meat and fish dishes. Make Oyster Soup with it.	12 ozs. \$1.25	3 60	14 20
Pimiento Slices. For use in garnishing and in various cream dishes.	6 oz. jar	1 00	3 90
Continental Dressing Collection. Consists of 1 pt. each of Louis XIV Salad, Sherry Wine and Burgundy Wine Dressing.	Collection \$1.75		

DIXIE DAME PICKLES

Dixie Dame home-prepared delicacies are unusual. Attractive on the cocktail tray or for buffet meals. They are all hand made.			
Olive Style. Pickled burr gherkins stuffed with pimientos.	Sour. 8 ozs. 90 cts.	3 for \$2 60	Per doz. \$10 25
Stuffed Rings. Cucumber rings, pimiento-stuffed.	8 ozs. 90 cts.	2 60	10 25
Midget Dills. Small pickled gherkins, dill-flavored.	8 ozs. 75 cts.	2 15	8 45
Polka Dots. White artichoke balls stuffed with capers and pimientos, lovely garnish.	8 ozs. 90 cts.	2 60	10 25
Acorns. Pickled burr gherkins stuffed with almonds. Sweet-sour.	8 ozs. 90 cts.	2 60	10 25
Red Buds. Pickled burr gherkins, cherry-stuffed.	8 ozs. 90 cts.	2 60	10 25
Moonstones. Onion-stuffed gherkins. Sweet-sour.	8 ozs. 90 cts.	2 60	10 25
Old Fashioned. Small artichoke tubers, decorated with pepper. A southern pickle.	12 ozs. 75 cts.	2 15	8 45
Wild Rose Design. Made from old recipe. Cross cut in thin slices, for open sandwiches.	8 ozs. 90 cts.	2 60	10 25
Baby Beets. With tiny onions.	12 ozs. 75 cts.	2 15	8 45
Crisp Cartwheels. Crystallized green tomato slices. Crisp and brittle.	12 ozs. 90 cts.	2 60	10 25
Porcupines. Sweet gherkins stuffed with relish and held together with toothpicks.	12 ozs. 90 cts.	2 60	10 25

OTHER PICKLES

Pickle Slices. In olive oil and vinegar. Colonial style. Crisp and highly spiced.	3 for 15 ozs. 35 cts.	\$1 00	Per doz. \$3 75
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READY-TO-SERVE SOUPS

Black Bean Soup. With Sherry Wine.	3 for 20 ozs.	\$0 80	Per doz. \$3 10
Consomme Madrilene. A fine Beef soup, with an entrancing flavor.	14 ozs.	90	3 40
Lobster Bisque.	13 ozs.	1 75	6 75
Onion. Real Parisian flavor.	32 ozs.	2 00	7 75
Green Turtle Consomme.	13 ozs.	1 05	4 00
Turtle with Meat.	32 ozs. \$1.75	5 00	19 50
Vichyssoise. The Parisian potato soup.	13 ozs.	1 20	4 60

CONCENTRATED SOUPS

Bovril. (The Imported English Beef Tea). Contains 58% Beef extract, wonderful as a pick-me-up, as bouillon.	3 for 2 ozs. 2 ozs. 4 ozs. 8 ozs.	\$1 35 \$2 30 \$4 35	Per doz. \$5 25 \$9 00 \$17 00
Vegex Paste. The same fine formula. Splendid for bouillon and for seasoning various dishes.	4 oz. jar 8 oz. jar	1 90 3 50	7 50 13 50
Pierre Picard. Prepared dry Onion Soup.	1 1/4 ozs.	80	3 00

DRINKS, BITTERS, MIXERS

Angostura Bitters. Good in drinks; try them as a flavoring in your cooking also.	3 for 8 ozs. \$1.58	Per doz. \$4 70 \$18 75
Orange Bitters. A good mixer for sophisticates.	4 ozs.	1 85 7 30
Raspberry Syrup. The pure raspberry syrup makes a delicious drink; fine for sauces and for sweetening cocktails, etc.	12 ozs.	1 75 6 90
Grenadine.	16 ozs.	2 10 8 15

HOLLAND HOUSE COCKTAIL MIXES

The makings for your favorite drink—all except the liquor which you add.

Bronx	Side Car		
Daiquiri	Manhattan		Per doz.
Tom Collins	Dry Martini	3 for	
Old Fashioned		16 ozs. \$2 25	\$8 75

TEA TASTER TEAS

We bring back these famous Named Teas; each different, with its own superior flavor.			
Assam. Rich and stout; colors up a strong red in the cup.	1/2 lb.	Lb.	\$1 10 \$2 00
Fancy India. A fine blend; highly flavored, with exceptional body and aroma.		85	1 50
Darjeeling. Perfect rich flavor. From the high Himalayas.		85	1 50
Choice Ceylon. Lush. Yields color, flavor and body at the instant of infusion. Smooth.		1 35	2 50
Kee-Mun. Chinese. An ideal breakfast Tea; most people like it any time.		1 00	1 85
Earl Grey. A rare China blend. Highly scented.		1 60	3 00
Formosa Oolong. Semi-processed Tea; elegant bouquet, aroma and mild smooth flavor.		1 35	2 50
Lapsang Souchong. The smoky-flavored Tea that only China produces.		1 85	3 50

TEA TASTER PACKAGE

Generous portion of each of the above eight kinds, enough in all to make 100 cups. \$1.50

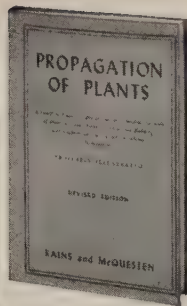
Other Unusual Teas

Stumpp & Walter No. 5. Rare orange-pekoe buds from India; produces a full-bodied, fragrant, rich tea.	1/2 lb.	Lb.	\$1 55 \$2 10
Citrous-Scented Mixture.			\$1 10
Boston Mint Tea. Superior blend of orange-pekoe with a subtle flavor of mint. Box of 16 Teabags.	3 for	Per doz.	\$0 85 \$3 25

TUXEDO COFFEE

Expertly blended rare selected Coffees. Grown on high land, where climate, soil and cultural methods produce a rich, full flavor. Used by America's first families for over a half century, and the choice of discriminating coffee drinkers everywhere. Regular or drip grind—please state which.

Special. Now supplied in vacuum tins, to hold the aroma.	3 for 1 lb. tin	Per doz. \$1 60 \$6 25
Van Houten's Cocoa. The best for drinks or baking.	1/2 lb. tin	1 20 4 65



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Herbs in the garden, over the stove, and in the ice-box. 334 pages. \$3.50.

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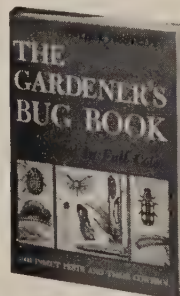
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Plants for all conditions, their culture, care and propagation. Orchids that will grow in your home. Miniature gardens. Aquatics indoors. Wildflowers that will live in the house. 350 pages, 17 color plates, 100 illustrations from photographs and drawings. \$3.50.

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Most practical book on bulbous plants. 187 photos and drawings. Includes tulips, daffodils, hyacinths, lilies, crocuses, gladiolus, dahlias, peonies, irises, begonias, and scores of other beautiful bulbs. 264 pages. \$3.50.

Book of Perennials. A. C. Hottes.

Over 125 species that bloom from early spring to frost; includes cultural requirements. 280 pages. 103 illustrations. \$2.50.

Book of Shrubs. A. C. Hottes.

Everything relating to shrubs in all sections of the country, with full details of care and culture. 448 pages. 190 illustrations. \$3.50.

Book of Trees. A. C. Hottes.

If you are planting or growing trees, wish to identify them, or merely love to read about them and their lore, this is your book. Many photos and drawings. 440 pages. \$3.50.

Commercial Floriculture. Fritz Bahr.

A general review of the florist business. 648 pages. 327 illustrations. \$6.

Dahlias, What Is Known about Them. Morgan T. Riley.

History and culture. How prizes are won. Exhibiting, digging and storing. Unusual data and good lists. 201 pages; photographs. \$2.50.

Edible Wild Plants. O. P. Medsger.

The first complete handbook of America's wild menu. 324 pages. \$3.75.

Enjoy Your House Plants. Jenkins & Wilson.

Complete. The latest authoritative publication on indoor plants. 238 pages. \$2.75.

Five Acres and Independence. M. G. Kains.

A practical guide to the selection and management of the small farm. 390 pages. \$2.50.

Fruits for the Home Garden. Hedrick.

Practical book for the gardener planting fruits for the first time. 162 pages. \$3.

Garden Bulbs in Color. McFarland, Hatton and Foley.

One of the best books published on bulbs. 275 color plates, illustrating quite a number of varieties of flowering bulbs, corms and tubers. Over 100 beautiful half-tones and cultural directions. 296 pages. \$2.49.

Soil-working Implements: Spades, Forks, Hoes, Rakes, Cultivators



Sawco Spade. Dependable quality.
D-Handle.....\$2 75



Drain Spade. Solid shank. Ideal for transplanting. 16 in. long; 4 1/4 in. wide. \$5.



Sawco Shovels. Good reliable grade. Each
Square Point, D-Handle.....\$2 75
Round Point, D-Handle.....2 75
Long-Handle Shovels, same price.

Ladies' Shovel. Light weight; long handle; round point. \$2.50.



English Type Digging Fork. 4-tine, D-Handle. Tines are square and awl-sharp. For heavy land and difficult forking. \$3.50.



Spading Fork. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-tine, D-Handle.....\$3 00

Manure Forks. Best grade; oval tines.

4-tine, D-Handle.....2 50

5-tine, D-Handle.....2 75

6-tine, D-Handle.....3 25

Long-Handle Forks, same price.

Hay Fork. 3-tine, Long Handle.....2 50

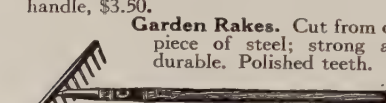


Gem Hand Fork. Three steel prongs and finished handle. A handy Fork for every garden. 75 cts.

Cutter Mattock. 6 lbs. Tempered tool steel. Polished edges. With handle, \$3.50.

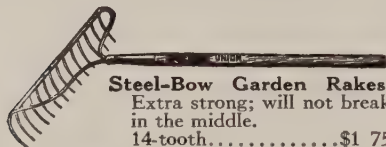


Pick Mattock. 6 lbs. Tempered tool steel. Polished ends. With handle, \$3.50.



Garden Rakes. Cut from one piece of steel; strong and durable. Polished teeth.

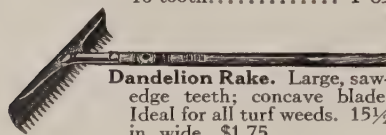
14-tooth.....\$1 50
16-tooth.....1 65



Steel-Bow Garden Rakes. Extra strong; will not break in the middle.

14-tooth.....\$1 75

16-tooth.....1 85



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for all turf weeds. 15 1/2 in. wide. \$1.75.

Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service.

Hay, 14-tooth.....Each Doz.
Lawn, 28-tooth.....\$1 75 \$19 25
2 50 27 50



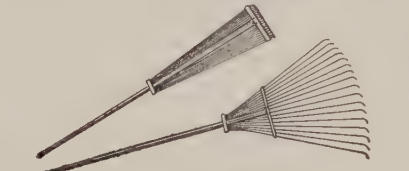
Cavex Rake. Combines a cultivating and renovating Rake. 14 in. wide. One side has twenty flat crescent teeth 2 in. long for tearing out chickweed, crab grass and thinning out stolons. Other side has twenty flat crescent teeth slightly curved for general cultivating, raking up and scarifying the turf. 4 1/2-ft. handle. \$2.75.

Bamboo Rake. Made of imported sun-cured bamboo. Specially reinforced with metal band and wire spiral. 18 in., \$2.25; 24 in., \$2.50; 30 in., \$2.75.



Lawncomb Rake. Made of high tempered spring steel with flat replaceable tines. Painted green. 18 in., \$1.85; 24 in., \$2.50.

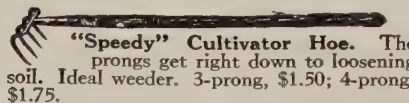
Steel Brume Rake. With polished wooden handle. Cleans the turf as gently as one's hand. 19 in. wide. \$1.75.



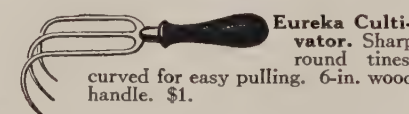
All-Aluminum Adjustable Rake. No need for several Rakes. This 4-in-one is ideal for grass, leaves, soil and gravel. Weighs only 24 ozs. Will not rust. 48 in. long. Instantly adjustable. Spread from 10 to 30 in. Tines slightly flattened on end. \$5.



Victory Cultivator Hoe. Destroys weeds; leaves the soil loose. Long handle, 3-prong, \$1.25; 5-prong, \$1.50.



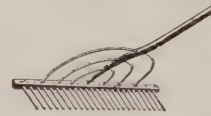
"Speedy" Cultivator Hoe. The prongs get right down to loosening soil. Ideal weeder. 3-prong, \$1.50; 4-prong, \$1.75.



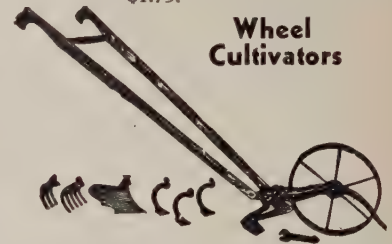
Eureka Cultivator. Sharp round tines, curved for easy pulling. 6-in. wood handle. \$1.



Magic Cultivator. Made of round galvanized steel. Handy tool for the home-garden. 3-tine, short handle, 25 cts.; 3-tine, 36-in. handle, 45 cts.; 4-tine, 42-in. handle, 75 cts.



Potato Hook. Five tines, round, long handle. Width at points, 6 1/4 in. Length of tines, 7 in. \$1.75.



Wheel Cultivators

No. 16 Single Wheel Planet Jr. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$12.40.

No. 12 Double Wheel Planet Jr. A Single and Double Wheel Cultivator in one. As a Double Wheel Hoe, it straddles crops until 20 in. high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$15.70.

Dandy Boy Single Wheel Hoe. 14-in. steel wheel. Consists of pair of weeding hoes, large single plow with landside, three cultivator teeth and wrench. All-steel construction; rubber-grip handles. \$11.25.

High Wheel Cultivator. All-steel, rigid and strong. Contains a double pointed shovel with sharp cutting edges for deep cultivation; plow for opening and closing furrows, trenches, hilling crops; 5-tooth cultivator for fast cultivation. Large diameter wheel, 1 1/4-in. thread. Complete, \$6.75.



Draw or Garden Hoe. 6 1/2-in. blade. \$1.45 each.

Scuffle Hoe. Best type for shallow hoeing and for working under lettuce, endive, annual flowers, etc. Fitted on 4 1/2-ft. handle. 4 in. wide, \$1.85; 6 in. \$2.25; 8 in. \$3.

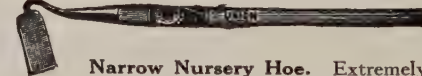


Warren or Heart-shaped Hoe. The best Hoe for making drills, covering, hoeing, and weeding. Each 4-ft. Handle, 7-in. blade.....\$1 75

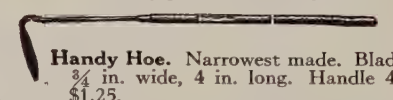
Midget, Short Handle, 4 1/2-in. blade.....85



Beet Hoe. Used for thinning as well as weeding and hoeing. 7-in. blade. \$1.25

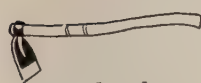


Narrow Nursery Hoe. Extremely narrow Hoe designed for use in closely planted areas. \$1.50.



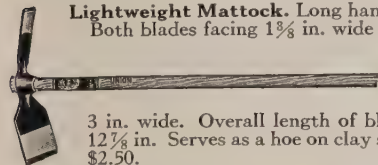
Handy Hoe. Narrowest made. Blade is 3/4 in. wide, 4 in. long. Handle 4 ft. \$1.25.

Hoes, Mattocks, Trowels, Planters, Tool Sets, Seeders, Spreaders, Flats, Pots, Saucers, Tubs, Window-Box



Grape Hoe. Made from one piece of hand forged steel. 6 3/4 x 7 1/4-in. blade.

Adapted to heavy work. Complete with handle. \$3.50.



Lightweight Mattock. Long handle. Both blades facing 1 3/8 in. wide and

3 in. wide. Overall length of blade 12 3/8 in. Serves as a hoe on clay soil. \$2.50.

Stumpwall Trowel.

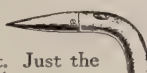
The ferrule and shank, as well as the blade, are forged in one piece; 6 in. long. \$1.50.



Forged Steel Trowel.

The blade and shank are one piece, forged out of the best steel. 6 in. \$1.

Transplanting Trowel. 1 3/4 x 6 1/4-in. blade, forged. Offset shank. \$1.



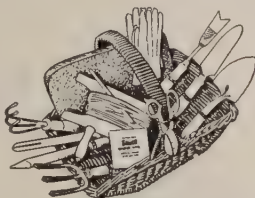
Dibble. With metal point. Just the tool for transplanting. \$1.



Bulb Planter. The tapered cup removes soil and makes a perfect planting-hole in one operation. 75 cts.

Basket of Tools.

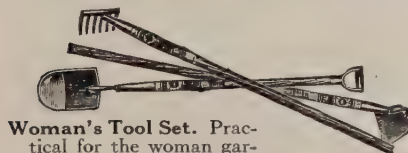
Gift for the gardener. Basket finished in red enamel with black handle. Fork, weeder, aluminum garden trowel, cultivator, bulb trowel, gloves, kneeling-mat, copper-wired labels, pencil, flower-gathering shears, 100 ft. garden line with reel. \$18.50.



Featherlite Tool Set.

High quality aluminum alloy; featherlite. Finger rest prevents slipping; eliminates fatigue. One trowel, 5 1/2-in. blade, 3 in. wide; one

transplanting trowel, 4 1/2-in. blade, 1 1/2 in. wide; one fork, 4-tine, 4 1/2-in. prongs, 3 in. wide. Ideal gift. \$3.95 per set. May be purchased separately at \$1.50 each.



Woman's Tool Set. Practical for the woman gardener. Consists of Shovel, Hoe, and Rake. \$5. Tools in this set can be supplied individually at \$1.75 each.



Cyclone Seeder. Sows evenly lawn mixtures, timothy, clover, redtop, alfalfa, rye, millet, wheat, etc. Can be regulated to broadcast at any rate. Holds about 1/2 bus. \$5.



Sawco Seed Sower.

Scatters seeds individually; proper distance apart prevents crowding and choking of the young plants. 65c.

Midget Seeder. (Not illustrated.) A mechanical device with a long handle, adjustable to sow any seeds from beans to lettuce. It opens up a furrow, sows accurately and closes the furrow. With handle off, may be attached to most wheel cultivators. \$7.50.

Wheel Seeders



Planet Jr. 4. Combined Seeder and Single Wheel Hoe. For a moderate-sized garden. Six tools in one machine. Hill dropping seeder, rapid row seeder, single wheel hoe, single wheel cultivator, furrower, and hand plow. \$25.40.

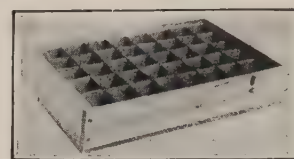
Planet Jr. 25. Combined Seeder and Cultivator. Single Wheel. Seed-box holds 2 1/2 qts. Combination includes 1 pair of 6-in. hoes, 4 cultivator teeth, a pair of plows for hilling against the rows, 2 leafguards, and 1 marker. \$30.80.

Dandy-Boy Seeder and Cultivator. Combines hill and drill seeder, single wheel cultivator and all necessary parts, plow or furrow opener and weeder. \$25.50.



Salem Spreader. For the small lawn or large estate. Has many uses—fertilizing, seeding, top-dressing. Spreads salt, sand or ashes on icy surfaces. Avoids drudgery, waste and uncertainty. 16 in. wide (capacity 22 lbs.), \$5.95; 20 in. (40 lbs.) \$9.95; 36 in. (125 lbs.) \$35.50.

Dandy-Boy Spreader. Heavily constructed, full-size Spreader. Holds 30 lbs. of fertilizer. Spreading width, 18 in. Ideal for sowing grass seed and spreading gravel, ashes and sand on icy sidewalks. Control-rod operates from handle. \$8.75.



Flats. Cypress. Size 12 x 18 x 3 in. deep. 65 cts. each, \$7.25 per doz. With 40 2-in.-square paper pots. \$1 each, \$11 per doz.

Paper Flower Pots, Neponset



RED—for shipping plants.

Diam.	Doz.	100	1000
2 1/4 in.	\$0 20	\$0 80	\$6 00
2 1/2 in.	25	85	6 25
3 in.	30	1 00	7 00
4 in.	50	1 60	10 50
6 in.	85	2 85	17 00

GREEN—for growing on where sandy loam is employed.

2 1/4 in.	\$0 35	\$1 25	\$9 80
2 1/2 in.	45	1 40	10 50
3 in.	50	1 75	12 10
4 in.	60	2 75	19 25

Square Paper Pots.

Made of specially treated Kraft board. Come knocked down. 2-in., \$1.50 per 100, \$13.50 per 1000.



Plant Bands. Square

2-in. nutrient-treated paper bands for potting seedlings. Open bottoms. To be used in flats or wood boxes. Weather-proof, mold-resistant. Pkg. of 30, 35 cts.; \$1 per 100.



Plant Tubs. Made of 1 1/2-in. pine, painted green.

Inside top diam.	Inside depth	Each
12 in.	11 in.	\$2 25
14 in.	13 in.	3 00
16 in.	15 in.	3 50

Watermat. Mats on which to stand flower pots.

Compressed fibre takes up water by capillary action. Complete with rustproof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts.



Sawco Window-Box.

Self-irrigating steel Window-Box. For indoors or outdoors. Painted green with floral design. 23 in. long, 6 in. wide, 7 in. deep. \$3.50.



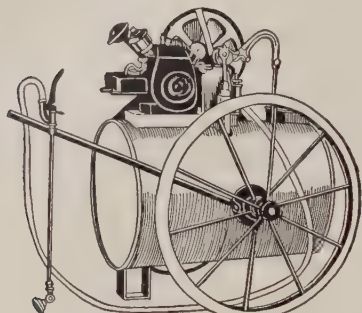
Green Rubber Saucers.

Ridge in center permits free flow of water from bottom of pot. Absorbent pad releases water to plant as needed.

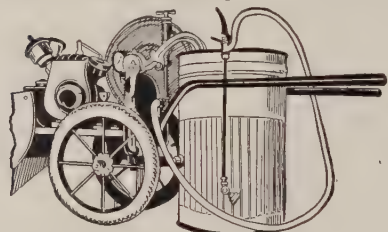


Diam. at bottom	Takes pot	Each	Doz.
4 in.	6 in.	\$0 25	\$2 50
6 in.	8 in.	45	4 50
8 1/4 in.	12 in.	90	9 00
10 1/4 in.	Tubs up to 10 1/4 in. bottom diameter.	1 35	13 50

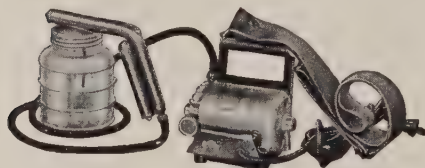
Sprayers and Syringes



Commodore Power Sprayer. 50-gal. capacity. A compact, portable, high-pressure gasoline-powered unit for the orchard, vineyard and truck garden. Handles all types of agricultural insecticides, white-wash, etc. Slip-on rubber-tired wheels. Develops a working pressure of 200 lbs., with a discharge capacity of 1½ gals. per minute. \$195. Can also be furnished with electric motor at same price.



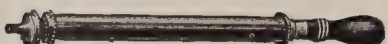
Defender Power Sprayer. 18-gal. tank, 1½ H.P. gasoline engine, semi-pneumatic tire. Develops 200 lbs. working pressure. Complete with 2-ft. extension rod and angle spray nozzle. Splasher type agitator. Corrugated galvanized steel tank, equipped with 10 ft. of hose. \$169. Can also be furnished with ½ H.P. electric motor at same price.



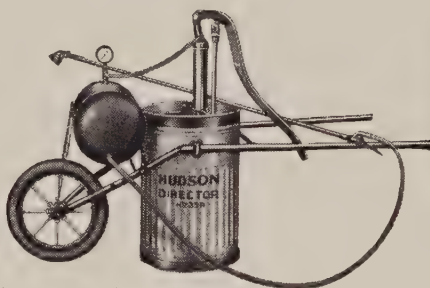
Speedway Sprayer. A new electric paint sprayer. Ideal for reed furniture, metal and wood chairs, window screens, painting the car, etc. 24-oz. glass tank. Spray head is adjustable. Equipped with 4 ft. of hose, shutoff valve and located switch. Weighs less than 4 lbs. 110-120 volt universal motor. Easily adjusted carrying strap. Complete with 10 ft. of electric cord. \$34.95.



Orchard Spray Gun. For Small Units (discharging 1½ gals. per minute), \$6. For Large Units (discharging 3 or more gals. per minute), \$17.50.



Brass Syringe. Barrel 18 in. long, diam. 1½ in. One coarse and one fine spray rose and one stream jet, with patent valves and elbow joint for sprinkling under the foliage. Weight 5 lbs. \$12.



Warren-Church Wheelbarrow Sprayer. Portable outfit for shrubbery, small orchards, whitewash or disinfectants. Galvanized tank; pump has agitator. Steel frame; wheel has semi-pneumatic tire. Develops 150 lbs. pressure. With 6 ft. of ¾-in. pressure hose, automatic shutoff, trigger lock, 2-ft. extension rod, and angle nozzle. Hand operated. 12 gals., \$39; 18 gals., \$47.50.



Sawco Tank Sprayer. A superior galvanized Sprayer for use around the home, garden, stable or poultry-house. Open top, 4-gal. capacity; threaded fittings; precision made. Reinforced steel ring welded at bottom. With 5 ft. of hose, 24-in. extension rod, automatic shutoff, which can be locked, angle fog-nozzle.

Has new type leather cup washer; also new type valve. Finest Sprayer made. \$12.95.

Sawco Stainless Steel Sprayer. (Not illustrated.) Similar to the above, but made of Stainless Steel. A superior tank Sprayer that should last a lifetime. Handles corrosive formulas of oil and acid-base insecticides. Open top for easy filling and cleaning. Furnished with 2 feet of spray hose, automatic shutoff valve, 24-inch extension rod, angle spray nozzle and adjustable carrying strap. \$19.50.

Sawco Copper Tank Sprayer. (Not illustrated.) Open top; 4-gal. capacity; with 2 ft. of spray hose; automatic shutoff valve, 24-in. extension rod and angle spray nozzle. \$16.95.

Utility 2½-Gal. Sprayer. Utility 3½-Gal. Sprayer. These are not illustrated. They have open top, D-handle; 2 ft. of spray hose, automatic shutoff valve, 24-in. extension rod, and angle spray nozzle. Either size, \$8.50.

Replacement Parts for Sawco Tank Sprayer.

Nozzle only.....	\$0 75
24-in. Brass Extension.....	80
36-in. Brass Extension.....	1 25
Nozzle complete with Shutoff and Rubber Hose.....	3 50
Shutoff without Nozzle and Hose....	1 25
Leather Cup Washer.....	15
Hose only. ¾-in..... Per ft.....	25
*Bordo Nozzle.....	1 00
*Adjustable Spray Nozzle No. 147.....	1 50
*May be used on all types of Tank Sprayers.	



Sawco Compressed-Air Sprayer. Most perfect small hand sprayer made. Continuous fog-like spray. Is fitted with

straight and adjustable nozzles making a perfect underleaf sprayer. Holds 1 quart. Sturdy construction.

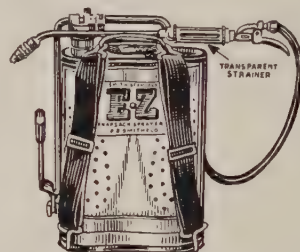
Brass Pump and Copper Tank. . . . \$3 00

Tin Pump, Brass Fittings, Glass Tank.

(Not illustrated.) 2 00

All Tin. 1 75

Heavy Duty Hand Sprayer. Professional size, 3-qt. capacity. Well made of galvanized steel; continuous with shutoff valve. \$3.50.



Sawco Knapsack Sprayer. Gives 100 lbs. pressure in seven strokes. Pumped with left or right hand. Continuous pressure. Easily cleaned. Leakproof hinged cover. 4-gal. capacity. Equipped with 3 ft. of ¾-in. hose, 24-in. extension rod, and automatic shutoff with trigger-quick spray-lock, any angle nozzle. Paddle agitator. Galvanized, \$24.95; Brass, \$32.95.



Master Bucket Sprayer. A slide- or trombone-type Sprayer that operates from a bucket. For vegetables, flowers and plants. Spray nozzle adjustable from fine mist to coarse spray. Precision-made of brass. \$8.50.

Sawco Barrel Pump. Clamps onto the side of a 50-gal. barrel. For every kind of spraying. Hand operated, it develops 300 lbs. pressure and delivers 3½ gals. per minute. Paddle-type agitator; 12½ ft. of hose and brass nozzle. \$17.95 without barrel.

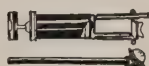


Bronx Bottle Sprayer. Nozzle throws powerful, broad mist. Can be sprayed in any direction. Pt. size \$1.50.

Rubber Plant Spray. Used for watering plants and washing the foliage. Sawco. Straightneck. 12-oz. \$1.50.

Dusters, Respirator, Traps, Torch, Plant Protectors, Glazing Materials, Sash, Frames, Hotbed Mats, Heating Units

Sawco Dust Gun. For Hortex, Tobacco, D.D.T. Hellebore, Paris Green, Lead Arsenate, Sulphur. Capacity 12 ozs. \$1.75.



Sawco Roto Duster. Made of lead-coated steel. Powerful blast breaks powder into fine dust. Capacity 8 to 12 lbs. \$22.95.

Stauffer Duster. For dusting turf, grapes, berries, trees and all crops. Will handle any dry insecticide or fungicide. Padded back rest and shoulder strap. Holds 18 to 20 lbs. Easy-operating hand lever and hand-operated feed lever. Can be controlled for puff or blast.

DuPont bellows. \$29.95.

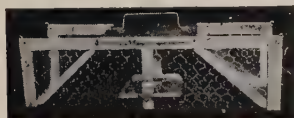
Woodason's Bellows. For dusting plants with dry powders.



Single Cone. Small size \$5; large size \$6.50.

Double Cone. Larger capacity. \$8.50.

Dust Respirator. Approved by the Bureau of Mines for use in conjunction with all types of dusts and sprays including Arsenate of Lead. \$3.



Havahart Animal Trap. Made of steel and wire. Does not injure. Easy to set. 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits), \$4. 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats), \$8.75.

Special Fox Trap with live bait compartment. \$13.50.

Japanese Beetle Trap. Type 4. Most recent type developed. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (you furnish jar) \$1.85. Extra can of bait 75 cts. Steel rod for hanging, 75 cts.

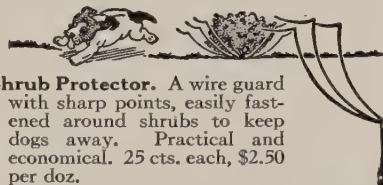


Victor Mole Trap. A spear type which harpoons the mole, causing instant death. Six prongs. 16 3/4 in. extreme length. \$1.50.

Asbestos Torch. Attach to a pole, saturate with kerosene, light and pass quickly under tent-caterpillars' nests. Without pole, 60 cts.



Cabbage Maggot Protectors. Right. For cabbage, cauliflower, and broccoli plants. Prevents maggot fly from laying eggs at base of stem. Pkg. of 24 for 20 cts., 96 for 75 cts.



Shrub Protector. A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 25 cts. each, \$2.50 per doz.

Bird Netting. To protect strawberries and fruit trees against birds. 1-in. mesh only, 30 ft. wide only; cut to any length desired. \$4 per 100 sq. ft.

Cutworm Guards.

Heavy black paper treated to protect plants from cut-worms. Fold and fit into slot to form collar. See left. 35 cts. for 50, 60 cts. per 100.



GLAZING MATERIALS

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break. Transmits ultra-violet rays. Rolls 50 ft. long and 36 in. wide. 12 1/2 cts. per sq. ft. in rolls. Less than rolls, 13 1/2 cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box. 10 x 12-in., 60 lights, \$8.75 per box.

Liquid Putty, Sawco. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$6.

Sawco Glazing Gun. Trigger type. For applying liquid putty. \$6.

Putty Bulb, Sawco. For applying liquid putty. \$1.50.

Greenhouse Shading. Powder form. Use 2 lbs. to a gallon of water for either brushing or spraying. **White.** 5 lbs. \$1.50, 25 lbs. \$6. **Green.** 5 lbs. \$2, 25 lbs. \$8.

Zinc City Glazing Points. In 1/8, 1/4, and 3/8 in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$6.

Aluminum Paint. High-quality, weather-proof; covers in one coat. For exterior and interior. Gal. \$5.25.

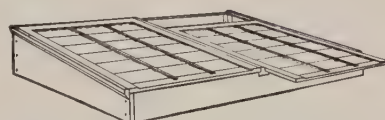
SOIL HEATING UNIT, GRO-QUICK.

An inexpensive assembly for heating a coldframe, complete with Thermostat.

Jr. Model. (40 ft. cable.) Sufficient to take care of 3 x 6 ft. \$5.35.

Sr. Model. (80 ft. cable.) Sufficient to take care of 6 x 6 ft. \$6.95.

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 12.



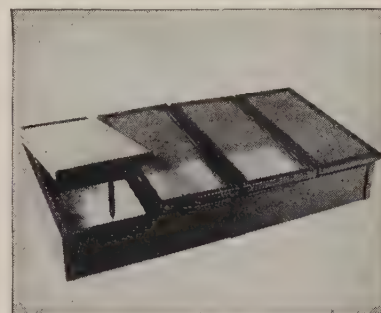
HOTBED SASH AND FRAMES

Single Light Sash. Standard 3 x 6 ft. Cypress. 10 x 12 in. double-thick glass. \$12.

Standard Hotbed Frames. Selected cypress, free from knots. Back depth 16 in.; front 8 in.

Dimensions	feed	held	Sashes only	Frame and Sash
No. 1.	3 x 6	1	\$18 50	\$30 50
No. 2.	6 x 6	2	22 50	46 50
No. 3.	9 x 6	3	27 50	63 50
No. 4.	12 x 6	4	32 50	80 50
No. 5.	15 x 6	5	35 00	95 00
No. 6.	18 x 6	6	38 50	110 50

Customer pays transportation. Not responsible for breakage.



GREEN THUMB SEED BED

Made of 22-gauge aluminum, insulated with fiber glass; finished in green. Glazed with plastic material which admits ultra-violet rays; hailproof. Sash hinged to frame. Packed knocked down, but easily assembled.

Senior Model. (Illustrated.) Measures 34 by 72 in., 15 in. high at back, 9 in. at front. Weight 45 lbs. In four sections, each 18 by 34 in. \$19.95.

Junior Model. (Not illustrated.) Similar construction; measures 36 by 36 in. \$11.95.

Hotkaps. Made of wax paper, tent-shape, 11 inches diameter at base. Protect plants from frost, retain moisture in soil, and bring crops to earlier maturity.

Pkg. of 25, with setter, 70 cts.

Pkg. of 100, with fibre-board setter, \$2.75.

Pkg. of 1000, Hotkaps only, \$13.50.

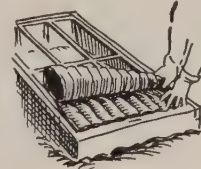


HOTBED MATS

Olive-green Raincoat Cloth one side, Burlap on the other. Waterproof and rodentproof.

40 x 80 in. \$6 each; \$70 per doz.

80 x 80 in. \$10 each; \$110 per doz.



CUTTING AND PRUNING TOOLS

Collins Axe. Full ground, polished, fine quality hardened steel. 32-in. handle. 3½ lbs. Head 8 in. long, 3¼ in. wide. \$3.



Brush Knife. Forcutting in wooded terrain. 16½ in. over-all. Blade 12 in. Special pigskin

safety-type grip. Complete with metal sheath. \$4.50.

Earle Special Bush Hook. Ideal for heavy work. \$4.



SAWS



A B C D E F

A—California Curved. Narrow blade with rip teeth. Blade tapers from ¼ in. wide at point to 1½ in. Folds for carrying. 14-in., \$2.75.

B—Paragon. Concave edge is for fine cutting. Blade 2½ in. wide at handle, and 1 in. at point. 20-in., \$3.

C—Tuttle Tooth. Has extra-sharp teeth that hold their edge longer. 20-in., \$4.50; 24-in., \$5.

D—Duplex. Lightning teeth on one edge for coarse work, and small teeth on opposite edge for finer cutting. 18-in., \$2.75.

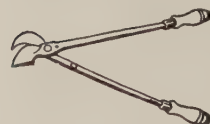
E—Warren-Church Pole. Adjustable to any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$4.

F—One-Man Saw. Has tuttle teeth and is fitted with an extra-large grip handle. Furnished in two lengths: 3-ft., \$4.50; 4-ft., \$6.50.



Sawco Lopping Shears. Heavy-duty draw-cut Shears, with brass anvil and high-tempered steel blade. Cuts branches 1 in. in diameter. Handles reinforced with steel ferrule one-third the length. Overall length 25 in., \$3.50.

Henry Lopping Shears. A powerful Pruner. Does not bruise the bark. Long ferrules; handles are 26 in. long; blades are of the best forged steel. \$5.50.



All-Steel Pruner. Light, powerful, and practical; cuts 1-in. limbs with ease. 20-in., \$4; 28-in., \$5.

Forester Pruner. Heavy duty. Greater leverage promotes clear, easy cutting. Cuts 1½-in. green wood. Length 27 in. Weight 4 lbs. \$8.50.



Waters Tree Pruner. A good Pruner at a low price. High carbon tool-steel, accurately ground to cut perfectly.

10-ft. \$4 00
12-ft. 4 50
Extra Knives, 40 cts.

Telephone Tree Pruner. Heavy-duty Pruner. Will cut branches. 1 in. in diameter. Malleable iron lever with pulley—rope pull. Flat steel coil spring. Price, head only, without pole and rope. Not illustrated.

Junior Model. For light work. \$4 50

Senior Model. For heavy work. 7 50

Poles. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$2.25; 14-ft., \$3.50; 16-ft., \$4.50. Customer pays transportation.



Grafting Chisel. Makes clean splits and does not tear the bark. \$1.25.



Berry or Thinning Hook. For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$2.



Sawco Tree Scraper. For removing loose bark that harbors insects. Incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. \$1.75.

Special Equipment Always in Stock

FOR THE GOLF COURSE:

Hole Cutters, Cups, Poles, Flags, Tee Markers, Ball Washers, Sprinklers, etc.
Brown Patch Remedies, Ant and Weed Killers, Putting Green Fertilizers.

FOR THE TENNIS COURT:

Line White, Markers, Net Tighteners, etc.

List on Request

A Useful Book

Pruning Trees and Shrubs. Felt. Presents in concise form and non-technical language the more important matters in relation to pruning of woody plants. For the individual with few trees or many. 238 pages. \$2.50.

PRUNING SHEARS

Sawco Solid Steel.

Made of crucible tool steel. Tempered and fully polished. Rat-chet nut keeps Shears properly tightened. 8-in., \$3.50; 9-in., \$3.75.



Alligator Pruning Shear (One-hand). 14 in.

long. Lightweight. Ideal for cutting in and around rose bushes and other thorny plants. \$1.50.

Parker Lightweight Shears. Anvil cutting action; patented thumb catch. Ladies' size, 6½-in., \$2.25; Men's size, 8½-in., \$2.50.

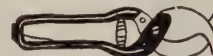


California Pattern. Made of fine cutlery steel. Length 8½ in. \$1.75.

Ladies' Chrome. (Not illustrated.) 7-in., \$3.75.

Crown Secateurs.

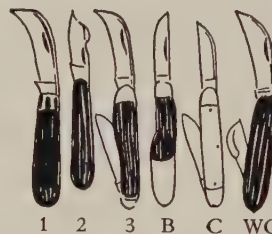
Double-cut, razor-sharp, for clean no-bruise cutting. British made of Sheffield steel by the Wilkinson Sword Co., world's leading cutlery. 8 in. long. \$6.25.



Grape-thinning Shears. For trimming grapes and many other plants. Made of high-grade cutlery steel, chrome plated. 7 in. long. \$3.50.



Flower Gathering Shears. Nickel-plated. Made to hold within its grasp stems of cut-flower. \$2.50.



1 2 3 B C WC

KNIVES. Budding and Pruning

No. 1. Strong Pruning Blade; Cocoa Each Handle. \$2 50
No. 2. Budding Blade; Smooth Black Handle. 3 00
No. 3. Pruning and Budding Blades; Patent Stag Handle. 3 25
No. B. Budding Blade with Ivory Bud-der; Stag Handle. 3 50
No. C. Two Strong Budding Blades White Handle. Steel Bolstered. 3 50

Warren-Church Budder and Pruner.

Two Blades; Black Handle; Brass lined. Highest quality. 3 75

Hedge Cutters, Carts, Barrows, Baskets, Boxes, Twines, Raffia, Plant-Twists, Wrapping Paper, Fountnbrush

HEDGE SHEARS

Sawco Domestic.

Well made and of excellent quality. 9-in. blade. With notch. \$3.75. 6-in. blade. Plain. Ladies'. \$2.25.



Warren-Church. Lightweight; under 3 lbs. Magnesium handles, rubber grips. 8-in. blade. Notched. \$5.50.



Syracuse Electric Hedge-shear. Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving

on endless chain. Cuts on both sides of cutter-bar. Electric motor. 6 lbs. With 10-ft. Cord, \$38.50. Extra 100-ft. Weather-proof Cord, \$8.50.



Sunbeam Hedge Trimmer. Sensational new electric Trimmer for hedges, shrubs, and ornamental trees. 12-in. cutlery steel blade, well balanced. Weighs 4¼ lbs. 110 V AC-DC motor fitted into the handle. On-and-off switch within easy reach. Precision made. With 10 ft. of cord. \$37.50. Extra weatherproof rubber cord, \$8.50 per 100-ft. length.

"Little Wonder" Hedge Trimmer.

(Not illustrated)

Hand operated. A well-designed machine for hedges beyond 200 ft. from an electric outlet. It cuts a hedge almost as fast as you walk, and in an hour or two will trim the top and two sides of a hedge 300 ft. long. This is from five to ten times as fast as hand work. The cutting blades are of high-grade steel, holding a sharp edge for a long while and trimming every variety of hedge grown. Use it for trimming, and not for "cutting back" a hedge, and it will last for years. 30-in. one-man Trimmer, complete with shoulder strap, \$48.

Handi-Cart. Sheet-metal body; disc wheels; rubber tires. For a thousand odd jobs. Tip down to load. Capacity, 3 cu. ft. Length, 26½ in.; width, 19 in.; depth, 14 in. \$7.50.



Turn your leaves and garden rubbish into valuable manure; use Adco or Compo, offered on page 105.



Sawco Garden Cart. A light Cart for the lady or junior gardener. Wheel is 12 in. in diameter; hard rubber tire. Length, 5 ft.; 17½ in. wide. Strong bushel Oak splint basket. \$8.50.



Sawco Garden Barrow.

Made of selected, clear-grain hardwood. Removable sides. Front

width, 20 in. Box, depth 12 in., length 28 in. Rear width, 24 in. With 3-in. tread steel wheel, \$16.50; with pneumatic tire, \$27.50.



Sawco Magnesium Lawnbarrow. The new, lightweight, easy-to-use Barrow. Weighs only 14 lbs.; made of magnesium. Measures 26½ by 32 in.; overall length 50 in. Painted gray, under-structure blue. Magnesium tubing handles. Pneumatic tire 2.75 by 10. Roller bearings, \$29.95.

BOXES FOR CUT-FLOWERS

Cardboard, Flower. Lock corners.

	Doz.	100
18 x 5 x 5 in. deep.....	\$3 25	\$19 50
24 x 8 x 5 in. deep.....	3 75	22 00
28 x 8 x 5 in. deep.....	4 50	27 00
36 x 10 x 6 in. deep.....	7 00	45 00

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

	Doz.	100
28 x 8 x 5 in. deep.....	\$4 50	\$27 00
30 x 12 x 6 in. deep.....	6 50	38 00
36 x 12 x 6 in. deep.....	8 00	48 00
48 x 14 x 8 in. deep.....	10 00	60 00

WRAPPING PAPER

Wax, White or Green. 18 x 24 in., ream.....\$3 50
24 x 36 in., ream..... 5 00

Tissue, White. 24 x 36 in., ream.... 4 50

Wrapping Paper, Kraft, in rolls. Per roll
30-in. (approximately 45 lbs.).....\$12 50
36-in. (approximately 54 lbs.).....15 00

TWINES, RAFFIA, PLANT-TWISTS

Silkline. F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Binder Twine. Approximately 7½-lb. balls \$4.

Bouquet Twine. White. 2¼-oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** ½-lb. ball 40 cts., 3 balls \$1.10, 12 balls \$3.50. **Green.** ½-lb. ball 50 cts., 3 balls \$1.40, 12 balls \$5.

Twine, Sea Island Cotton. Green. Ball 20 cts.; box of 12 balls, \$2.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. ½-lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

Dyed Green. ½-lb. 90 cts., lb. \$1.75.



Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7 in. long, 15 cts. for 25, 50 cts. per 100. 12 in. long, 30 cts. for 25, \$1 per 100. 12-in. size is good for tying Romaine and Escarole for blanching.

Twistems. 8-in. Pkg. of 125, 35 cts.

Wire, Annealed. No. 22. In 12-lb. coils. \$4.50 per coil.

BASKETS

General-Purpose Basket

1-bus. size.....	\$3 00
2-bus. size.....	4 00
3-bus. size.....	5 50

Gardeners' Baskets

20 x 11 x 6½ in. deep..	3 50
24 x 15 x 8½ in. deep..	4 00

Picking Basket

¼-bus. size.....	2 25
½-bus. size.....	2 75

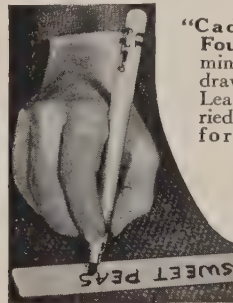
Flower and Fruit Baskets

13 x 13 x 3½ in. deep..	2 00
24 x 12 x 3½ in. deep..	2 50

Fruit Baskets

(Not Illustrated)

	100	1000
Strawberry. 1-qt. size.....	\$3 50	\$17 50
Peach. 2-qt. size.....	4 50	38 50



"Cado" Flo-Master Fountnbrush.

Aluminum. Writes, marks, draws on any surface. Leakproof; can be carried in the pocket. Ideal for marking plant labels. Black ink is waterproof. Complete with ½-oz. bottle of ink and 3 nibs, \$3.75. Extra ink, 4-oz. bottle 65 cts.; pt. \$2.25.

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 12.

STAIGREEN, a high-quality Lawn Seed Mixture. Best on Earth. \$22 for 25 lbs.

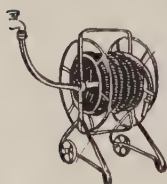
Watering Equipment: Hose, Reel, Nozzles, Sprinklers, Water Wand, Root Feeder



Wayahead Hose. Special heavy duty. Surpasses all the cheaper grades. Two-braid with a smooth black cover. $\frac{3}{4}$ -in. bore. 25 ft. \$8; 50 ft. \$15; 100 ft. \$28.

Greenlawn. A heavy-duty two-braid corrugated green Hose of high quality. $\frac{3}{4}$ -in. 50 ft. \$16.50; 100 ft. \$30.

Spray Hose. High pressure. Good quality. $\frac{3}{4}$ or $\frac{1}{2}$ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.



Salem Reel-Hose. Finest Hose Reel made. Holds up to 150 ft. of $\frac{3}{4}$ -in. hose. Connect the 5-ft. accessory hose to faucet, and water passes through hose as it reels off. All metal. Complete with 5-ft. accessory hose only, \$12.50.



Justrite Hose Nozzle. Gives a fine spray or full stream. Brass. 90 cts.

Flaring Rose Hose Nozzle. Fan-like gentle spray. For watering seedlings and newly planted grass-plots. Stamped brass, \$1 each.



Florist Nozzle. Cast brass; 4 in. round. $\frac{3}{4}$ -in. Delivers a fine rain. \$2.50.

Stott's. (Not illustrated.) Gives a fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; double, \$3.50.



Snaprite Coupler. Brass. One end fastens to faucet, other to the hose. Also for joining two lengths of hose. Push-in and pull-out feature eliminates awkward screw-on method of attaching hose. Has a swivel action to eliminate twisting. \$1.35.

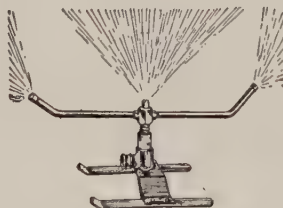
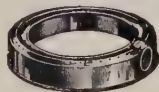
Evertite Hose Coupling. Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 85 cts. each.



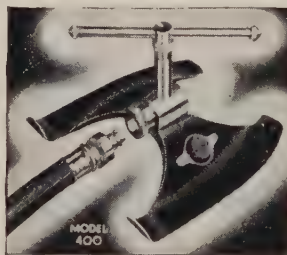
Mist-Master Sprinkler. Made of zinc alloy; rust-proof. Weighs $1\frac{1}{2}$ lbs. Delivers a fine spray 30 ft. in diameter. 98 cts.

Ring Lawn Sprinkler.

Made of heavy gauge sheet brass; $8\frac{1}{2}$ in. in diameter; $\frac{3}{4}$ -in. connection. Throws a well-distributed spray. \$1.50.



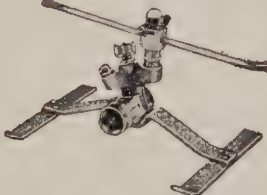
Triple Shower Sprinkler. The best Sprinkler made in its price-range. Operates on 15 lbs. of pressure. Covers a large area uniformly and properly. \$3.50.



Crescent Sprinkler. Adjustable head provides low and high spray. Furnished with a brass Hosnap Coupler for easily disengaging Sprinkler for nozzle use and vice versa. \$4.45.



Dayton No. 12 Sprinkler. Waters a circle or rectangle. Revolves, but to cover squares set both arms in the same direction. Rotating, covers about 45 ft. in diameter; for square sprinkling covers a width of 12 ft. \$6.



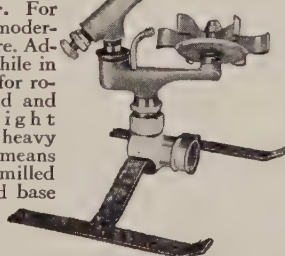
Dayton 3-way Sprinkler.

Three sprinkling heads combined in one unit. Easy to operate, changing from one to another position instantly.

neously; no tool needed. Can be regulated to spread from a few feet up to 28 ft. Half-spray adjustment for narrow spaces, curved strips, etc. \$6.50.

Dayton Rotary Sprinkler.

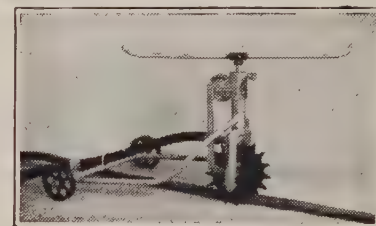
For low and moderate pressure. Adjustable while in operation for rotary spread and from a light spray to a heavy stream by means of the milled screw. Sled base enables you to pull it over the lawn without tearing the turf. Covers up to 75 ft. diameter with 40 lbs. pressure. \$8.



Avon Sprinkler. A fan-type Sprinkler that will water a rectangular area 60 by 30 ft. All parts made of non-corrosive metal. Will operate on a minimum of 20 lbs. pressure. \$15.



Spray Wave. An oscillating fan of spray covering 50 x 40 ft., with an adjustable length of travel and variable speed. Complete on skid, $\frac{3}{4}$ -in. hose connection. \$22.50.



Torrent Traveler Sprinkler. Low-cost automatic Sprinkler for homes, nurseries, estates, golf courses, parks, etc. Requires no attention; waters evenly and thoroughly. Walks by itself; shuts itself off.

Model A5-2. For large lawns, cemeteries, school yards, private estates. \$27.50.

Model B-3. For golf-courses, large parks, athletic fields, etc. \$34.50.



Water Wand.

Delivers maximum amount of water at the base of plants, with minimum waste. Connects to your hose. Long handle permits watering flower beds without stepping on soil or tramping flowers. Length 52 in. \$3.

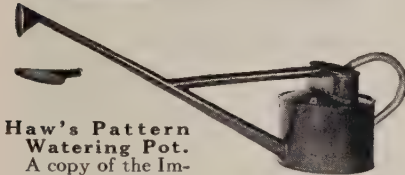
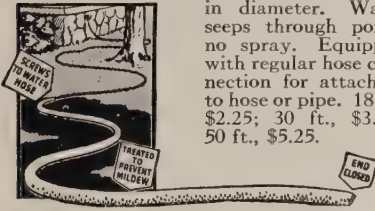
Ross Root Feeder

This waters plants at their roots and gives them plant-food at the same time. The $\frac{1}{2}$ -in. diameter, 36-in. tube has three discharge openings 6 in. from point. With shutoff to control flow of water and a cartridge chamber for feeding, with twelve Cartridges. \$4.98. Plant Food Cartridges, \$1 per doz. extra.



Watering Equipment: Oozer Hose, Watering Pots, Hose Accessories, Tree Auger. Also Aprons, Garden Line, Gloves, Celery Tubes, Stump Puller, Thermometers, Sanipac, Signs, Sieves

Oozer Hose. The deep-soaking principle employed by commercial irrigators. Made of porous canvas, 2 in. in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe. 18 ft., \$2.25; 30 ft., \$3.25; 50 ft., \$5.25.



Haw's Pattern Watering Pot. A copy of the Imported Haw's Watering Pot. A well-balanced heavy metal Pot, which we furnish with two roses—one fine and the other coarse. Painted maroon. 6 qt., \$11.95; 8 qt., \$12.95; 10 qt., \$13.95.

Sawco Watering Pot. Round Watering Can made of 26 gauge galvanized steel, reinforced bottom. Heavy copper tube, 3/4-in. handle. With two roses, fine and coarse. Capacity, 12 qts. \$13.50 each. Extra Roses \$1.50 each.



Ladies' Watering Pot. For indoor use. Made of metal; enameled jade green with flower design. Capacity, 2 qts. 15 in. wide, 9 in. high, 8-in. spout. \$1.75.

Warren-Church Watering Pot. Made of heavy galvanized iron. Short spout. Rose attached firmly with screw joint, cap removable for cleaning. 6-qt., \$1.75; 8-qt., \$2.25; 10-qt., \$2.75.



Goldsmith Hose Rack. A hose-preserver; prevents kinking and twisting. \$2.

GARDEN LINE

Braided Bronze Nylon. 50 ft., \$1.50; 100 ft., \$2.50; 200 ft., \$4.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.75.
No. 2. Holds 600 ft. \$3.25.



HOSE ACCESSORIES

Siamese Hose Attachment. Use two leads of hose at one time. 3/4-in., \$1.50.

Hose Clamps or Bands. 1/2- and 3/4-in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Easily applied. 1/2- and 3/4-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening. Needs no extra bands, bolts, or wire. 1/2- and 3/4-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Mender. 1/2- and 3/4-in. sizes, 20 cts. each, \$2 per doz.

Gooseneck Swivel. Prevents kinking; turns all ways. 85 cts.

Hose Washers. For 3/4-in. hose. 10 cts. per doz.

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits 1/2-, 3/8-, and 1/4-in. hose. 35 cts.

Aprons, Blue Denim. For the gardener, craftsman and worker around the home. With Bib. \$2.50.



Steel Tool Holder. For hanging tools in your garage or barn. Extends 13 in. out, 3 in. wide. Notched for five tools. 90 cts.

Tree Auger. For boring 2-in.-diameter holes in the ground. 18 in. deep, for watering and feeding trees. \$5.



Sawco Garden Gloves. Velvety smooth, ivory-white leather with gauntlet. Ideal for gardening, motoring and household tasks. Sizes 6, 7 and 8. \$2 per pair.

Horsehide Gloves. For heavy garden work and pruning. Sizes 10 and 11. \$2.50 per pair.

Celery-bleaching Tubes.

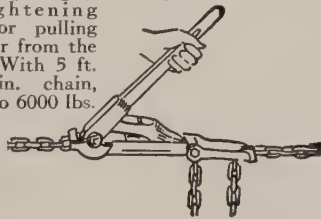
The Handler is placed around the celery plant, Tube is slipped in place and Handler removed. 14 in. high, 75 cts. per doz., \$4.50 per 100, \$18.50 per 500.

Handlers for use in placing tubes: Brass, \$3; Tin, \$1.



Come-Along Stump Puller.

For stretching a fence, removing logs, stumps, straightening trees, or pulling your car from the ditch. With 5 ft. of 3/8-in. chain, tested to 6000 lbs. Length of travel, 47 in. 18 lbs. \$14.50.



THERMOMETERS



No. 326, Self-registering. (Siexe's Pattern.) Copper case, white figures. Maximum and Minimum. 10 in., \$8.50, with magnet.

No. 278. Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10 in., \$3.

No. 5127-S. Finished in Aluminum. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit (Spirit) 8-in., \$1.10.

No. 267. Hotbed. Painted wood. Brass oxidized scale, white figures. Best grade, spirit-filled bulb chamber. 15-in., \$3.50.

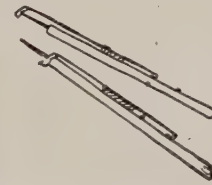
Indoor and Outdoor. Novel twin-scale Thermometer that indicates both inside and outside temperatures although located indoors. No peering through frosted, clouded windows. Outside temperature is determined by a metal bulb on a thin tube outside window. Finished in beautiful black bakelite, chrome trim. 9 1/2 in. high, 2 1/4 in. wide. In attractive gift box. \$6.



Outdoor Thermometer. A very attractive dial-type outdoor Thermometer. Accurate and easily readable. Contrasting red pointer, ivory dial, black figures. 3 3/8-in. diameter, mounting bracket 3 1/2 in. long. Attractively boxed. \$2.50.

Hygrometer - Thermometer

No. 101. A beautiful precision-built instrument which indicates at a glance both temperature and degree of humidity. A fine instrument for maintaining healthful air conditions in home or office. Black bakelite case, chrome trim. Satin-silver finished scale and dial. 7 3/8 in. high, 2 3/4 in. wide. \$4.



Sanipac. Picks up paper and rubbish from lawns, parks, beaches, cemeteries, and golf links. 35 in. long. Pressure of finger discharges waste. 85 cts.

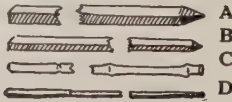


Warning Signs. Made of metal 14 by 4 1/2 in., painted white, with 2-in. raised black letters with spikes as shown, \$3.75.

Do Not Climb Fence No Walking on Lawn Keep Off the Green Please Keep Off

Sieves. For covering newly sown seed there is no better way than to riddle onto it a very light covering of soil. Galvanized. 20 in. in diameter. 1/8-in. mesh. \$2.75.

Plant Supports, Weeders, Incinerators, Leaf Rack, Flame Gun, Soil-Testers, Scythes.



PLANT STAKES, WOOD

A—Square Stakes, Green.			
4 ft. x 7/8 in.	Doz.	100	
5 ft. x 7/8 in.		\$1 75	\$12 00
6 ft. x 7/8 in.		2 25	17 50
7 ft. x 1 in.		2 75	20 00
		3 50	25 00

B—Plant Stakes, Green.			
Light, square.			
3 ft. x 7/8 in.	Doz.	100	
4 ft. x 7/8 in.		\$0 75	\$5 00
5 ft. x 7/8 in.		95	7 00
		1 80	13 50

PLANT STAKES, CANE

C—Bamboo Tonkin Canes.			
Natural. 5/8 in. to 3/4 in. diam.			
4 ft.		\$2 00	\$6 50
5 ft.		3 00	8 50
6 ft.		4 00	12 00

D—American Bamboo, Dyed Green. For staking gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.							
100		1000		100		1000	
2-ft...	\$1 25	\$9 00	4-ft...	\$2 25	\$16 50		
3-ft...	1 75	12 50	5-ft...	2 75	19 50		

Bean Poles (with bark on). 8 ft. long; 2 to 2 1/2 in. butt. Also ideal for supporting blackberries, raspberries, boysenberries, etc. 35 cts. each, \$3.50 per doz. Customer pays transportation.

Cedar Poles (with bark off). 5 to 5 1/2 in. in diameter, for supporting grape-arbors, wisteria, and other heavy-caned plants. Up to 12 ft. in length. 30 cts. per ft. Customer pays transportation.

Adjusto Plant Supports. Sturdy hardwood stakes, 7/8-in. square, with a strong wire support adjustable to any height.

Each	Doz.	Each	Doz.
4-ft. \$30	\$3 00	6-ft. \$40	\$4 00
5-ft. 35	3 50		

Galvanized Wire Stakes.			
3-ft.	Doz.	100	1000
4-ft.		\$0 40	\$18 75
5-ft.		50	3 30
6-ft.		60	4 00
			30 00

Hyacinth Stakes.			
Painted green.			
18-in.	100	500	1000
	\$0 75	\$3 00	\$5 00

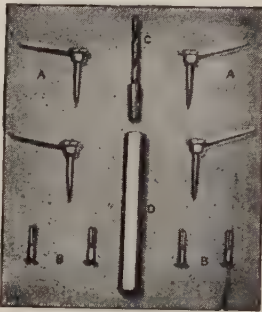
Carnation Supports, Model Extension. 2-ring, \$2 per doz., \$10 per 100; 3-ring, \$2.25 per doz., \$11.50 per 100.

Baur's Carnation Clips. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 20 cts. per oz.

G. B. Vine Supports. For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1.35 postpaid; 100 Supports, \$5.

Sawco All-Steel Refuse Burner. A portable steel furnace for the rapid and convenient destruction of leaves and refuse. Strong angle iron frame and heavy steel expanded metal basket. Guaranteed fire-safe. Wheel measures 26 in. in diameter, with 1 1/2-in. thread. Size of hopper 2 x 2 x 4 ft. Shown at right. \$85.



100, \$6.50. Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

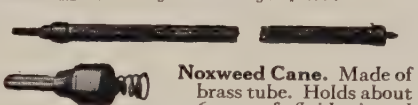
"Beat All" Wall Nail. For vines, with pliable lead tip which bends in any direction. 1 1/2 in. long. 50 cts. per doz., \$3.50 per 100.



Dandelion Lawn Weeder. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 75 cts.

Weeding Knife. Blade of the Dandelion Weeder above, in a short handle. Actually, the standard asparagus gathering knife, but a highly efficient weeder also. V-shaped. 50 cts.

Jiffy Wonder Weeder. Pulls weeds out by the roots quickly and easily. \$2.79.



Noxweed Cane. Made of brass tube. Holds about 6 ozs. of fluid ejected by drops from point; destroys Dandelions, Plantains, and many other weeds. No stooping, no digging, no holes in the lawn. Complete with 1 qt. Liquid, \$2.50. Extra Liquid, 85 cts. per qt.

Crab Grass Eliminator Rake. Attaches easily to any mower from 15 to 19 in. wide. Lifts the crab grass and seed spikes from the ground so the mower can slice them off. \$2.

Warren Church Incinerator. Fabricated of high-quality steel 1/2 in. thick. Seams are securely welded. Will outlast many ordinary incinerators. Height 32 in.; diam. 18 in. Raised bottom. \$6.50.



VYN-TACH HOOKS. Attach your roses and other vines to masonry or wooden surfaces.

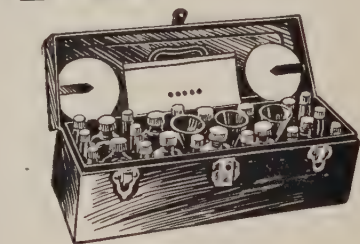
Vyn-Tach Hooks for Masonry. Set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Set of



Wire Leaf Rack. For leaves, cut grass, and litter. Galvanized wire bolted to a wooden base. Capacity 10 bus. Wheelbarrow and Rack complete, \$28.50. Rack only, to fit on your barrow, \$12.



Sawco Flame Gun. For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing soil, destroying weeds, pests and grasshoppers, locusts, caterpillars, chinch-bugs, etc. \$19.95.



Sudbury Soil-testing Outfits. Test for nitrogen, phosphorus, potash, and acidity. **Home Garden Kit.** (Four tests)....\$2 50 **Club Kit.** (Makes 10 tests)..... 4 75 **Horticultural Kit.** (Makes 60 tests)... 12 50 **De Luxe Kit.** (Makes 200 tests).... 22 50

Scythe Blades. Cutlery steel, natural oil finish; cutting edge, web and backs polished. 28 to 32 in.\$3 50

Bush Scythe Blade. Heavier and shorter than a grass Scythe; 18 in. long. For heavy growth where ordinary Scythe is impractical. Blade only. \$3. **Scythe Snath or Handle.** The very best, with patent socket. \$3.50.

Scythhook. Cuts light bushes, weeds, and grass, Blade 18 in., handle 4 1/2 ft. long, nib attached for handhold. \$3.

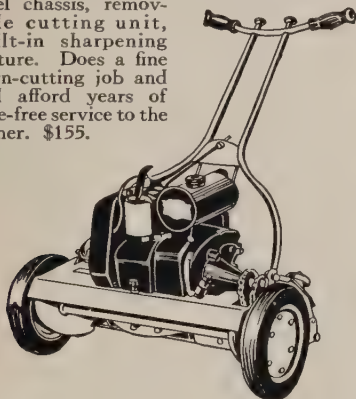
Scythe Stones, Genuine English. Round, tapering. 60 cts. **Sawco.** 35 cts. each, \$3.50 per doz. **Scythe Rifles, Emery-coated.** 35 cts. each, \$3.85 per doz.

SOW YOUR NEW LAWN

with STAIGREEN. The best mixture of grass seed for general home turf. One pound sows 200 square feet, and costs \$1.

Lawn Mowers and Other Grass Cutting Devices; Grass Hooks, Lawn Trimmer and Lawn Shears

Pincor Power Mower. A powerful, precision-built, all-steel Mower designed to meet the needs of home owners and commercial users. 20-in. cut; 1½ H.P.; 4-cycle engine. All-steel chassis, removable cutting unit, built-in sharpening feature. Does a fine lawn-cutting job and will afford years of care-free service to the owner. \$155.



GRASS HOOKS

Warren-Church.

Good quality. 75 cts.

Sawco. Blade forged from razor steel, hollow ground. 1 in. offset. \$1.50.



Hook Tooth. 8-in. blade. \$1.



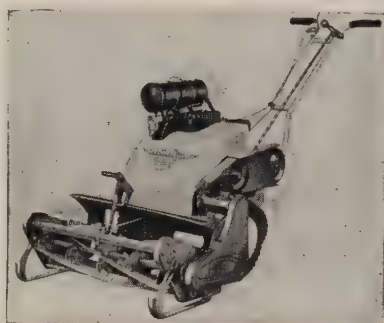
Speedy Grass Cutter. Has 9-in. double-edge blade. Overall length, 38 in. \$1.

Hook Tooth. 8½-in. blade, one side, long handle. \$1.50.



Clemson Precision Lawn Mower. An exceptionally fine Mower. Easier rolling, easier turning, no "bobbing" on bumpy ground. Worm-gear action for micrometer-like self-locking adjustments without tools. 17-in. cut. \$29.95. Grass Catcher \$2.50.

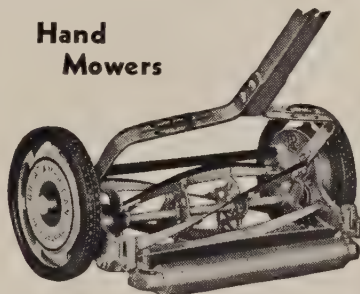
Sunbeam Lawn Mower. (Not illustrated). Five blades, 10-inch drive wheels, ball bearing, pre-war malleable iron construction. A heavy duty lawn mower that will stand hard usage and give years of good cutting. 14-inch \$25.25; 16-inch \$26.25; 18-inch \$27.25. Grass Catcher \$2.50 extra.



Trimalawn Power Mower. Cuts up to three acres per day. 21-in. cut; 1½ H.P. gasoline engine. Weighs 164 lbs. Has many unique features. Cuts within 1¼ in. of walls and trees. Trims perfectly around flower beds because the cutting blades extend beyond the wheels. Flexible, knee-action cutting unit that hugs to the contours of ground. Micrometer hand adjustment for bottom knife. Unit can be raised to cut grass at 3-in. height. \$235. Special Steel Snow Plow attachment, 24 in. wide, concave. \$26 extra.

Mower Prices are determined by the manufacturers and are tentative, being subject to sudden change. Mail your order; we ship as and when available, charging the price ruling at the time of delivery, refunding or billing the difference.

Hand Mowers



Great American Lawn Mower. Reliable heavy-duty machine. Height can be regulated from ½ to 1½ in.; will cut grass 6 in. high. 10-in. wheels. Hard rubber tires.

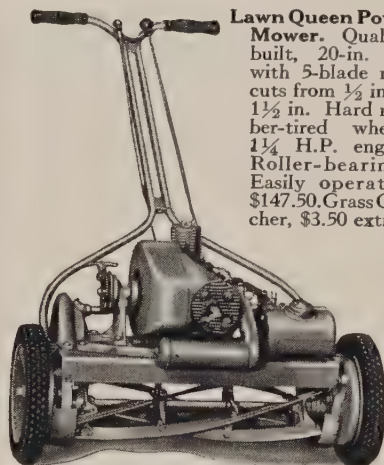
	Price	Grass
	5 blades	Catcher
17-in. (wt. 59 lbs.) \$27 50	\$2 50
19-in. (wt. 62 lbs.) 30 00	3 50

Pennsylvania Meteor Mower. Lightweight aluminum construction. 5 crucible steel blades; 10-in. wheels. Adjustable from ½ to 1¼ in. Hard rubber tires. Grass

	Catcher
16-in. cut (wt. 36 lbs.) \$30 00
19-in. cut (wt. 39 lbs.) 31 90

Pennsylvania Junior Mower. One of the best hand Mowers. For all lawns and much used on golf tees. 5 blades. Hard rubber tires.

	Grass
	Catcher
17-in. cut. (wt. 68 lbs.) \$34 95
	\$2 50



Lawn Queen Power Mower. Quality-built, 20-in. cut with 5-blade reel, cuts from ½ in. to 1½ in. Hard rubber-tired wheels. 1½ H.P. engine. Roller-bearings. Easily operated. \$147.50. Grass Catcher, \$3.50 extra.

Bantam Power Mower. (Not illustrated.) 18-inch cut. Compact, well-balanced home Lawn Mower. ¾ H.P. Jacobsen engine. Finger-tip throttle control at the handle grip. V-belt drive from engine to power shaft. Weighs only 90 lbs. Rubber-tired wheels. \$127.50. Grass Catcher, \$2.50.

Warren-Church

Grass Shears. Up-and-down action handle with 5-in. blades. \$2.50.



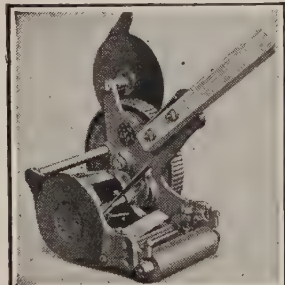
Grass Shears. Standard design. High-quality tool steel. 6½-in., \$2.50.



Sawco Long-Handle Trimming Shears. Operated from top of handle by connecting rod. Length of cutting blades 6¾ in., ht. of Shears 38 in. No stooping. \$3.



Border Shears. To trim overhanging grass on borders,

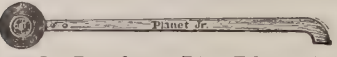


small plow. Width of cut, 6 inches. Mows close to trees, walls, paths, and flower beds. \$19.95.

flower-beds, and walks. 9-in. blades of high-grade tool steel, polished handles and blades. Without wheel, \$7.50. Wheel model not available.


Lawn Trimmer and Edger. Equipped with steel disc and


Turf Edgers, Sod Lifters, Tampers, Roller, Sweeper, Sundials, Weathervanes, Foot Scraper, Broom, Mailbox, Garden Pump, Air-Drying Unit, Magnifying Glasses



Planet Jr. Revolving Disc Edger. Trims accurately and quickly. \$2.10.


Half-Moon Turf Edger. Solid steel, with a polished handle. \$1.75.

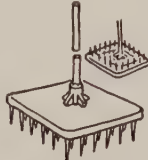
SOD LIFTERS



English Pattern. Length 4 ft. Heart-shaped, strong, and highly efficient. \$9.50.


American Pattern. Length 4 ft. Preferred by many on account of its light weight. \$3.50.



Sawco Iron Sod Tamper. Used when laying turf and for compacting the sod after frost. Tamper is square and is complete with a 4-ft. handle.


Size	Weight	
8 x 8-in.	14 lbs.	\$3 50
10 x 10-in.	18 lbs.	4 00


Spike Tamp. An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper by loosening one nut. Plate 9 in. square. Spikes 1 3/4 in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$5.75.


Water-Ballast Lawn Roller. The drum has rounded edges which prevent cutting of the sod. Can be filled with water or sand. A Water-Ballast Roller makes a good lawn.

No.	Diam.	Length	empty	water	
C	18 in.	24 in.	85 lbs.	265 lbs.	\$16 50
D	24 in.	24 in.	110 lbs.	420 lbs.	22 50
E	24 in.	32 in.	130 lbs.	566 lbs.	27 00


Springfield Lawn Sweeper. An easy whirling movement lifts leaves, clippings, sticks, stones or paper. Collects seeds of weeds. Made of non-rusting aluminum; five adjustable fiberbrushes on a ball-bearing reel. Canvas, metal-bottom hopper holds 5 bus. **Senior Model.** Width 28 in. \$48.50. **Junior Model.** Width 20 in. \$37.50.


SUNDIALS. Tell the time by the sun! Made of cast bronze, highly finished, and accurate.


No. 226. 7-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Grow Old Along With Me The Best Is Yet To Be." \$6.

No. 258. 9-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers I'll Only Mark Your Sunny Hours." \$9.50.


No. 59. 10 1/4-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers I'll Only Mark Your Sunny Hours." \$11.50.


Equatorial Sundial. This creation lends itself to use in gardens and landscapes. 7 in. diam., 10 1/4 in. high. A beautiful and everlasting gift. Made of heavy cast bronze. Designed along the same lines as those used by the ancients. Signs of the Zodiac are cast in the metal base. \$17.50.


Pedestal or any of the above \$13.50. Crating \$3.50 extra. (Customer pays transportation.)



Lively Rooster Weathervane. Non-corrosive metal finished in black, complete with floor flange. Overall height 31 in.; Arrow 18 in. long; direction pointers 12 in. across; 2 1/4-in. letters. Your choice of Rooster (as illustrated), Duck, or Sailboat. \$18.50.


Sawco Weathervanes. Non-corrosive cast bronze with cast aluminum, full relief figures. Finished in shadow black, bright brass up-right, polished bronze letters. Perfectly balanced and ball bearing. Roof plate, cast bronze, can be bent to any angle. Overall measurements 16 by 24 in. An ideal gift.
No. 124—Sloop (as illustrated).
No. 154—Peter Stuyvesant.
No. 43—Horse and Carriage. \$12.50 each

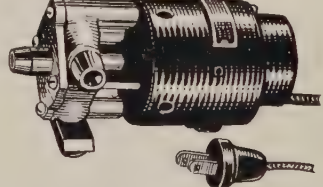

Warren-Church Weathervane. Lower price models with plain arrow figure and points of direction. Made of brass.
No. 1. 18 in. wide, 18 in. high, red. \$6.50.
No. 2. 24 in. wide, 24 in. high, red. \$9.50.

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 12.



Foot Scraper. Little Dachshund adds a friendly touch to your door. He weighs 30 lbs. and is 22 in. over-all. Solid cast iron; body velvet black, tongue red. \$9.50. Packing 50 cts. extra. Customer pays transportation.



Maytex Broom. Made of rugged palmetto fiber; for stables, garages and gardens. Width 12 in. \$2.50.


Sawco Mail-Box. Aluminum, with steel clips and screws, which are cadmium plated. Box 12 in. long, 6 3/4 in. wide and 2 3/4 in. thick. Has clip to hold newspapers and magazines. 2 1/2 lbs. \$3.25.


Garden Pump. Compact electric Pump for fish-ponds, lily-pools and other small bodies of water. Intake and outlet pumps the same water over and over. \$42.50.


Air-Drying Unit. Keeps your cellar, storage room or any damp building dry. Halts rust, mildew, mold and mustiness. 18 in. high, 13 in. wide, 13 in. deep. Complete for immediate use with 100 lbs. of Moisture-Absorbing Crystals—enough for over 6 mos., \$17.95. Additional crystals, \$4.50 per 100 lbs. Customer pays transportation.


Firefly Reader. (Illuminated.) 3-in. lens. For studying insects and plants, reading charts, blueprints or road maps. Complete with battery. \$4.50.


Magnifying Glass. (Not illuminated.) Useful in insect and foliage study. Magnifies three times. Glass 2 1/2 in. in diameter; wood handle. Overall length 7 1/4 in. \$1.50.

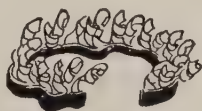
Fernery, Flower Holders and Arrangers, Vases, Lawn Figures, Sno-Skoot, Garden Labels, Fence, Lawn Chair, Reflexite Signs, Gardenade, Pickers, Picking Bags.

Bamboo Fernery for House Plants. Attractive natural bamboo, ruggedly constructed. Tin pan, with rings for easy lifting. 28 in. long, 11 in. wide, 7½ in. deep. 30 in. overall height. \$7.50. Packing \$1 extra. Customer pays transportation.



Flower Holder Set. Guaranteed not to tip; made of non-corrosive metal. Contains 2 Pin-Type holders 1½ in. and 2¼ in. in diameter and 1 Dome-Type holder 3½ in. in diameter. In gift box. \$1.75.

Coronet Flower Arranger.



Solid copper with copper-riveted lead base. Can be bent to fit any receptacle. Each holder fitted with double row of spiral copper sheet holes, adjustable for any angle. **No. 1.** ¼-in. holes \$1.25. **No. 2.** ⅜-in. holes \$1.75.



Iron Flower Vases (Enameled Green)

No.	Height	Top Diam.	Each	Doz.
1.	10	4¾	\$0 65	\$6 50
3.	13½	6½	85	8 50
5.	17	6½	1 10	11 00

Duck and Brood of 3

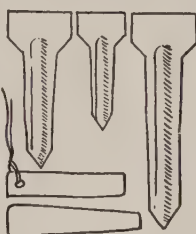
Ducklings. Duck 13 in. high, 15½ in. long. Ducklings 5½ in. high, 7 in. long. Molded of plaster and finished in natural colors. Waterproof. Pretty group on a lawn. An ideal gift. Set weighs 9 lbs. Complete set \$6.50.



Sno-Skoot. Shovel that removes snow with ease. Weighs 17 lbs. Made of 18-gauge steel. Wheels 10 in. in diameter; 1¾-in. semi-pneumatic tires. Cleans a strip 21 in. wide. \$11.95.

Kumfort Knee Pads.

A comfort-giving knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to work clothes. \$2 per pair.



PERFECT GARDEN LABELS. Pencil markings on them are permanent, but they may be removed with eraser and the labels used again.

Rock-Garden. Face, 1¾ x 7/8 in.; length 4 in. \$1.15 per doz. \$2 for 25, \$7.90 per 100.

Border. Face, 2 x 1 in.; length, 5 in. \$1.25 per doz., \$2.40 for 25, \$9.25 per 100.

Tie-On (with copper wire). Face, 3½ x ¾ in. 65 cts. per doz., \$1.25 for 25, \$3.60 per 100.

Show Garden. Face, 2 x 1½ in.; length, 7 in. \$1.50 per doz., \$2.90 for 25, \$11.25 per 100.

Pot, Tapering. Face, 4 x ¾ in. 55 cts. per doz., \$1 for 25, \$3 per 100.

POT or GARDEN LABELS

Wooden, Painted.

In.	100	1000
4.....	\$0 50	\$3 00
6.....	75	4 00
8 x 7/8..	1 50	8 00
12 x 1 1/8.	2 25	12 00

Wired. 3½-in. Painted. 50 cts. per 100, \$3.75 per 1000.

Label Pencils. To write on wood labels. 15 cts. each, \$1.65 per doz.



Kumfort King Lawn Chair.

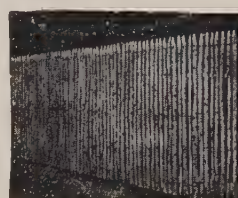
Modern design, very attractive and comfortable. Made of basswood, light and sturdy. Back height 30 in.; width 22 in.; seat 23 in. x 20 in.; seat

from ground 15½ in. in front, 10½ in. in rear. Back rest bolted on top of arm rests so that in whatever position you wish to relax, chair back will conform to your body. Shipped knocked down; easily put together with rustless bolts. Furnished in white enamel with back rest in choice of three colors: Flame Red, Royal Blue or Killarney Green. \$14. Natural color \$12.



Fruit-Picking Bag. Heavy-grade duck; adjustable shoulder straps. Steel band keeps bag open; empties from the bottom by releasing cord. \$4.

Perfect Fruit-Picker. Galvanized steel wire. Prevents bruising. Attach to any pole. 75 cts.



Warren-Church Cedar Fence. Made of split cedar poles spaced ¾ in. apart. Furnished in rolls 16 ft. long. Gates to match. Upright posts and horizontal to support fence available as noted.

	Plain Per lineal ft.	With Posts and Rails Per lineal ft.	3½-ft. wide Walk-Gates
3 ft. high..	\$0 90	\$1 20	\$9 75
4 ft. high..	1 00	1 35	11 50
5 ft. high..	1 20	1 60	13 50
6 ft. high..	1 45	1 85	15 00

Sawco Woven Wood Fence. Split white cedar; 5-ft. sections. Gates to match.

	Plain Per lineal ft.	With Posts and Rails Per lineal ft.	3½-ft. wide Walk-Gates
3 ft. high..	\$1 75	\$2 00	\$15 00
4 ft. high..	2 15	2 45	17 50
5 ft. high..	2 35	2 65	18 00
6 ft. 6 in..	2 75	3 15	20 00

Customers pays transportation on Fences and Gates.



Reflexite Sign. The latest development in a brilliant retro-reflective Letter Sign for home and lawn. Made of optical plastic unbreakable, permanent. Weather-resistant; cannot crack, wear or peel. Sturdy all-metal frames and stakes. Stake 30 in. long. Colors: Silver on jet black, silver on forest green or amber on jet black.

Style A. 12-in. sign (up to and including 8 spaces). \$6.

Style B. 18-in. sign (up to and including 12 spaces). \$7.50.

Style C. 22-in. sign (up to and including 15 spaces). \$9.



Gardenade A kneeling pad

and a convenient rack for garden tools. Upright handles are designed to lower and lift yourself with a minimum of effort.

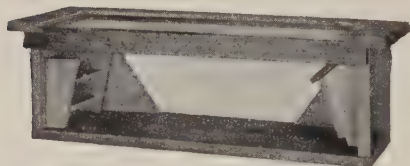
Kneeling pad is made of soft sponge rubber. 14 in. long, 11 in. wide, 12 in. high. Tool box holds all the tools within your reach. Has many household advantages, such as cleaning floors, waxing and polishing. \$3.50.

Feed and House Your Songbird Friends



SAWCO PEANUT BUTTER BALLS

A life-sustaining food for wintering wild bird life. May be hung from branch or limb of tree or at your window where you may note in detail plumage and action of your feathered visitors. Set of four, \$1.75.



SAWCO WINDOW FEEDER

With a glass roof for a closer observation and study of our winter birds. It is admirable for shut-ins. 24 in. long, 9 in. high, 8 in. deep. Made of selected California Redwood. \$5.50.



735



SAWCO WREN HOUSES

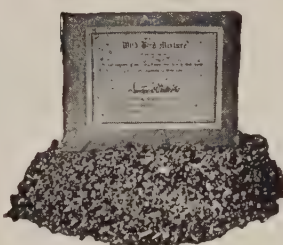
733



734

A rare selection of wren houses. Made of rustic wood. Should last for many years. Your choice of the above, \$2 each.

SAWCO WILD BIRD MIXTURE



One of the finest mixtures of seeds and food ingredients for wild birds. We have spared nothing to make this mixture attractive to all wild bird life. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.50, 100 lbs. \$16.

SAWCO FEEDER No. 758

Beautifully constructed of seasoned wood. Holds about 2½ lbs. of Wild Bird Seed. Two steel prongs turn to easily remove and fill hopper. 8¼ in. wide, 5½ in. deep, 9 in. high. \$2.50.



RUSTIC BIRD BATH



Reinforced cement composition, natural rustic finish. Large compartment for water; smaller compartments for food. A decorative addition to any garden. Diameter of bowl 20 in.; height 31 in.; weight 75 lbs. \$13.50. Crating \$3.50 extra. Customer pays transportation.

Tame Bird Foods

High quality Recleaned Seeds. The best for your feathered pets.

	Lb.	Lb.	5 lbs.	5 lbs.	25 lbs.
		Ppd.*		Ppd.*	
Canary Bird Mixture.....	\$0 40	\$0 55	\$1 75	\$2 50	\$8 00
Love-Bird Mixture.....	35	50	1 50	2 25	7 00
Parrot Mixture.....	30	45	1 25	2 00	6 00

*To points east of the Mississippi River.

SAWCO SUET CAKES



A well-balanced bird food of seeds, berries and fruit especially adapted to wild life molded into suet. Place these cakes in holders on tree trunks, window sills or any other suitable places. 35 cts. each, 3 for \$1.

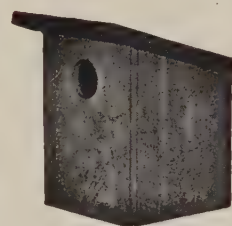
WIREHOLDER FOR SUET CAKES

Painted green to resist rust, and paraffin coated to protect the birds from direct contact with the metal during cold weather. Has two wooden perches and cover made of cedar. 50 cts. each, 3 for \$1.35.



SAWCO TREE SWALLOW HOUSE

10 in. high. Attractively styled in California Redwood. Bottom removable for cleaning. \$1.50.



SAWCO CHICKADEE OR NUTHATCH HOUSE

Well made and durable. 13 in. high. Beautifully constructed of rustic wood. \$2.75.



Paints, Powders, Sundry Liquids

Air-Wick. Kills odors in the kitchen, bathroom, bedroom, sickroom and living room. Brings country freshness to your house. 6-oz. bottle 69 cts.; 15½ ozs. (economy size) \$1.49.

Aluminum Paint. Gal. \$5.25.

Ameroid Home Boiler Cleaner. Easy-to-use liquid; makes your home boiler, steam or hot water, give more heat. Quart can is sufficient for the average home up to 10 rooms. Qt. \$1.50.

Anti-Corrode. A new liquid that can be applied by rubbing, spraying or dipping. Prevents rust on tools. Pt. 50 cts., qt. 75 cts., gal. \$2.

Bloomlife Cut-Flower Food. Adds two to five days or doubles the life of most cut-flowers. Package (makes 26 qts.) \$1.

Chimney Sweep. Cleans chimneys, furnaces and flues. Simply spread over fire. POWDER for wood and coal-burning furnaces, 48-oz. can \$1; 6-lb. can \$1.89. LIQUID for oil burners, pt. \$1.29; qt. \$2.29; ½ gal. \$4.29.

Greenhouse Shading, White. 5 lbs. \$1.50, 25 lbs. \$6. **Green.** 5 lbs. \$2, 25 lbs. \$8.

Greenhouse White Paint. Gal. \$6.

Hylite Water Putty. A powder made from wood. Simply add water. Repairs wood, plaster, cement, tile, stone, fibreboard and composition. Sets tile. Lb. 40 cts., 5 lbs. \$1.85, 50 lbs. \$12.50.

Kay-Tite Waterproofing. Masonry waterproof paint for cellar walls and floors, cement blocks, swimming pools, etc. In powder form; mix with water; apply with a wide brush. Gray or white finish. 10-lb. can (covers 100 to 150 sq. ft.) \$2.90. Brush 50 cts.

Plasticrome Metal Cleaner. Cleaner and preservative for chrome, brass, copper or any shiny metal surface. No. 1 bottle makes metal shine and No. 2 keeps it looking fine. Use it on the car and in the home. Two-bottle kit 98 cts.

Rust Remover. Removes rust quickly from all tools. Odorless, nonflammable liquid. Harmless to apply. Pt. 75 cts., qt. \$1.25, gal. \$3.25.

Trans-Plastic Paint. A high-quality covering for walls, floors, furniture and linoleum; use it inside or out. Covers and hides in one coat. Mirror-like smoothness; modern beauty; long-lasting colors. Will not crack, chip or peel; resists hard wear and frequent scrubbing, alcohol, fruit juices, heat and boiling water.

Colors: Transparent for Linoleum, Slate-Gray, Ivory, Tile-Green, Black, Vermilion, Colonial Blue, Jade-Green, Canary-Yellow, White, Royal Blue Pt. \$1.75, qt. \$2.95, gal. \$9.60.

Hog's Bristle Brushes: Oval, ¼-in. 65 cts. Flat, 1-in. 75 cts., 1½-in. \$1.25, 2½-in. \$2.25, 3-in. \$4.50.

U-Mix-It. High melting-point blended asphalt. Mixed with gasoline and stone from the garden it makes a permanent path. Allow 5 lbs. for each 15 to 20 sq. ft., ¼-in. thick. Directions with material. 5 lbs. 75 cts., 15 lbs. \$1.50, 100 lbs. \$8.

Underwater Paint. For swimming pools. Blue. Qt. \$3.50, gal. \$8.50.

Whippet Fire Extinguisher. Powder form; acts instantly. Good for most fires. Simply dash handfuls of powder at the flames. Easy. 2½-lb. container \$2.50.

SAWCO SPECIAL PLANT-FOODS

Note. Fertilizers over \$3 in value are delivered free within 50 miles of New York City.

EMERALD GRASS FERTILIZER. A well-balanced organic plant-food for fine lawns. Use 2 pounds per 100 square feet or 800 pounds per acre on existing lawns and double these quantities for new work. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

ROSE FOOD. Combines plant-food and ingredients to control most root-pests. Dust fairly light around plants and work into soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

GENERAL GARDEN FERTILIZER. Use 5 pounds per 100-foot row of vegetables once monthly or 5 pounds per 100 square feet broadcasted on flowers and fruits. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

DAHLIA FOOD. Specially prepared for dahlias and other tuberous-rooted plants. Mix handful with soil before setting tubers and make several top-dressings during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCONURE. All organic. Spent Peat Moss and Chicken Manure. Air-dried. In preparing new land use 5 pounds per 100 square feet and for existing lawns and top-dressing $2\frac{1}{2}$ pounds per 100 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, 1000 lbs. \$37.50, ton \$70.

ACIDULOUS FERTILIZER. A plant-food and soil-acidifier for rhododendrons, azaleas, laurel and other acid-loving plants. Use $\frac{1}{2}$ pound to the square yard and work very lightly into soil. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$8, 500 lbs. \$35.

The Treewix Cartridge

A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state. Carton (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges. Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Adco. Add it to garden refuse, leaves, grass clippings to make manure. $7\frac{1}{2}$ lbs. \$1.25, 25 lbs. \$2.50, 150 lbs. \$12.

Aluminum Sulphate. Makes soil acid. Use 1 pound per square yard. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 100 lbs. \$6.

Ashes, Hardwood. Furnish potash. Use 10 pounds per 100-foot row of vegetables. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$5, barrel (about 200 lbs.) \$8.

Blood, Dried. High in organic nitrogen. 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Bloomlife. Makes cut-flowers stay fresh. Family size pkg. (makes 26 qts.) \$1.

Bonemeal. For vegetables and flowers. Use 5 pounds per 100 square feet, 2000 lbs. per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Bone, Vineyard. $\frac{1}{4}$ to $\frac{1}{2}$ -inch pieces. For grape-vines and fruit trees. 25 lbs. \$3, 100 lbs. \$8.

Cattle Manure, Shredded. Soil-builder and mulch. 50 lbs. \$4, 100 lbs. \$7, 500 lbs. \$32.50.

Charcoal. Sweetens and lightens sour and heavy land. Use 5 pounds per 100 square feet. 50 lbs. \$4, 100 lbs. \$7.50.

Compo. Turns garden refuse into rich organic manure. $7\frac{1}{2}$ -lb. size (makes approx. 375 lbs. manure) \$1, 25-lb. size (makes approx. 1250 lbs. manure) \$2, 100-lb. size (makes approx. $2\frac{1}{2}$ tons manure) \$7.50.

Fertera. Plant-food in tablets for pot-plants. Contains 13% Nitrogen, 17% Phosphoric Acid, 22% Potash. 100 tablets 75 cts., 1000 tablets \$3.50.

Horn Dust. Rich in ammonia. For potting. 100 lbs. \$7.

Hyponex. A complete balanced all-soluble plant-food. 7 ozs. 50 cts., lb. \$1, 10 lbs. \$8, 25 lbs. \$15, 100 lbs. \$40.

Legume-Aid Seed Inoculant

Bushel size 50 cts., $2\frac{1}{2}$ -bus. size \$1, 100-lb. size 50 cts. Garden pkt. (treats up to 5 lbs. of garden peas, sweet peas, lima beans and lupines) 10 cts. On all sizes other than the garden packet, please specify the kind of seed to be inoculated when ordering.

Lime, Agricultural Hydrated. Sweetens the soil. Use 5 pounds per 100 square feet. 5 lbs. 35 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$3.50, 500 lbs. \$15, ton \$32.50.

Limestone, Pulverized. 10 lbs. 50 cts., 100-lb. bag \$2.50, 5 bags \$10, ton \$25.

Muriate of Potash. For potatoes and root-crops. Use $1\frac{1}{2}$ pounds per 100 square feet. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Nitrate of Soda. Nitrogen in immediately available form for lettuce and other leafy vegetables. Use 1 ounce to a gallon of water as liquid or $1\frac{1}{2}$ ounces to a square yard dry. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

STIM-U-PLANT. Plant-food in tablet form. Ideal for pot-plants and where plant-food is required quickly. 30-tablet pkg. 25 cts., 100-tablet pkg. 75 cts., 1000-tablet pkg. \$3.50.

Salt, Agricultural. For asparagus beds. 100 lbs. \$3.25, 500 lbs. \$11.

Sand. Steamed; Sterilized. For starting seeds, cuttings. 25 lbs. \$1, 100 lbs. \$3.

Sheep Manure. Use liberally in the vegetable and flower-garden, also as liquid manure; 5 pounds per 100 square feet, 2000 pounds per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Sudbury Soil Conditioning Solution. One pint sprayed over 200 sq. ft. of soil will change pH .75 of a point immediately. Two kinds: one for sweetening acid soil and one for increasing acidity. State which when ordering. Pt. 60 cts., qt. \$1, gal. \$3, 5 gals. \$12.50.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

Super-Phosphate. Use freely. Supplies valuable phosphoric acid. 5 pounds per 100 square feet. 5 lbs. 60 cts., 10 lbs. 85 cts., 25 lbs. \$1.45, 50 lbs. \$2.45, 100 lbs. \$3.15, 500 lbs. \$15.

Tobacco Fertilizer. Rich in potash. Helps deter soil insects. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$23.50.

Tobacco Stems. Excellent as a mulch; deters soil insects. Use 25 pounds per 100 square feet. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns, 100 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$30.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4.50, 500 lbs. \$18.50, ton \$50.

Moss, Sheet, Green. LIVE, bag (about 10 lbs.) \$5.

Moss, Dry Sphagnum. Large bale \$6.

Peat, Osmundi. For orchids. Bag \$6.

Peat Moss, American. A sedge Peat far superior to imported. Ideal for winter mulching of rose-beds, perennials and shrubs. Use liberally when making new lawns. 100 lbs. \$4, 500 lbs. \$18.50, 1000 lbs. \$35.

Peat Moss, Imported. In bales (approx. 17 bus.) \$6, 5 bales \$28.75, 10 bales \$53. Carton (2 bus.) \$1.50.

Sawco soil. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$12.50, 1000 lbs. \$20, ton \$35. In bulk, 8 tons (minimum quantity), \$20 per ton.

Vermiculite Mica-Gro B-3

A natural mineral one-tenth the weight of sand or soil. Completely sterile and inert, retains maximum quantities of water. Will not permit fungus or algae growth. It insures full benefit from hormones, vitamins and nutrient solutions. Very useful in the germinating and starting of seeds. Helps to avoid damping-off and soil-borne diseases. Mix with equal parts of heavy clay soils for friability. Use it around the roots of newly planted trees and shrubs. Provides a soil-wealth which holds moisture even during protracted dry spells. Packed in 2-cubic-foot bags weighing approximately 20 pounds. \$2.

Root-Forming Chemicals

HORMODIN "B" POWDER. In three strengths to simplify the rooting of cuttings.

No. 1 (for most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc.) Pkt. 25 cts., $1\frac{1}{4}$ -oz. jar 50 cts., lb. \$3.

No. 2 (for shrub cuttings). $1\frac{1}{4}$ -oz. jar 75 cts., lb. \$4.50.

No. 3 (for cuttings of evergreens and hardwood trees, and also bulbs). 1-oz. jar \$1, $\frac{1}{2}$ lb. \$4.50.

Combination package of Hormodin Powders No. 1, No. 2, and No. 3, 1 oz. complete, 75 cts.

Remedies for Insects, Fungus, and Rodents

Insecticides and Fungicides listed herein over \$3 in value, with exception of 30- and 50-gal. drums, prepaid within 50 miles. If \$3 or less, or beyond 50 miles, customer pays transportation charges.

Due to the shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid. 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.

Aerosol Insecticide Dispenser. Contains the famous D.D.T. formula combined with pyrethrum and Freon gas. Sprays a five-room house fourteen times. Kills flies, mosquitoes, ants, bedbugs, roaches, waterbugs, silverfish. \$1.79 per dispenser.

Ammate Weed Killer. Safest, easiest, and most effective chemical for killing poison ivy and sumac. Harmless to humans and animals. Does not render soil sterile. 2 lbs. 85 cts., 6 lbs. \$2.25, 50 lbs. \$12, 350 lbs. \$63.

Ant Bait (Magikil Jelly). Press tube and allow $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. Apply every 4 feet around the house, garden, or lawn. 1-oz. tube 40 cts., 3-oz. tube \$1, 7 $\frac{1}{2}$ -oz. tube \$1.95.

Ant Powder. Rids lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 50 cts., lb. \$1.50.

Ant Traps. A metal container with safety feature. Can be used indoors as well as outdoors. 25 cts. each, \$2.75 per doz.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoonfuls to 1 qt. water, 2 lbs. to 50 gals. Lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$8.50, 48 lbs. \$16.

Benzofume. Contains 7 $\frac{1}{2}$ % azo-benzene. Combines a control for red spider and certain mealy bugs. Use 1 oz. for each 700 cu. ft. of air space. $\frac{1}{2}$ lb. 50 cts., lb. 90 cts.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoonful to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1, lb. \$2.50, 10 lbs. \$12.85.

Bordo-Mixture. (Dry Powder.) For fungous diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. Lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$8, 48 lbs. \$14.

Bug-a-Boo Spray. Rotenone-synthetic base. For sucking and chewing insects. Non-poisonous. 1 oz. makes 4 $\frac{1}{2}$ gals. spray. 4 ozs. 50 cts., 8 ozs. 75 cts., gal. \$6.65.

Calcium Chloride. Used on paths, driveways, tennis courts, playing-fields. Keeps down dust and weeds. Use one pound per 10 square feet. 100 lbs. \$4.50, 500 lbs. \$20.

Calomel. For root maggot on cabbage, cauliflower, and broccoli, also gladiolus scab and neck rot. Treat seed and plants by dust or liquid method. Oz. 75 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.

Carbon Disulphide. Poisonous and explosive. For ants in lawns and walks. Apply to ant-hills with funnel. A tablespoonful to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.

Cartridges for Sawco Hose Sprayer Gun
Arsenate of Lead Pyrethrum-Rotenone
Bordeaux Sulphur
D.D.T. Weed-O-Spray (2-4-D)
 35 cts. each, \$4 per doz.

Casein Spreader. A milk product. Recommended as a Spreader for Arsenate of Lead, Bordo-Mixture, etc. 2-lb. pkg. 60 cts.

2% Ceresan. For diseases on narcissus and bulbous iris. 1 $\frac{1}{2}$ lbs. \$1.25, 4 $\frac{3}{4}$ lbs. \$3.50, 25 lbs. \$16.09, 100 lbs. \$57.75.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels. 4 ozs. 35 cts., lb. 90 cts., 4 lbs. \$3, 8 lbs. \$6, 40 lbs. \$26.40, 100 lbs. \$61.05.

Chaperone. (Liquid.) Spray hedges, garbages, etc. if you want to keep dogs and cats away. 4 ozs. 60 cts., 12 ozs. \$1.25.

Chinchex. A combination of D.D.T., pyrethrum and tobacco dust for chinch-bug. Use as a dust at the rate of 2 $\frac{1}{2}$ lbs. per 1,000 sq. ft. with a forceful duster. 5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$45.

Chlordane. A new chemical discovery for both household and garden pests. Wettable 50% strength powder. 8-oz. can \$1.50, lb. \$2.75.

Climax Lawn Sand. Destroys weeds in lawns. Use 5 ozs. per square yard. 3 $\frac{1}{2}$ -lb. can \$1, 7-lb. can \$1.85, 14-lb. can \$3.25, 28-lb. pkg. \$6, 56-lb. keg \$10.

Copper-Tox. Non-staining copper fungicide for use on roses, delphiniums, mums and grapes. Controls black-spot, blight and fungous diseases. $\frac{1}{2}$ pt. 70 cts., qt. \$2, gal. \$5.

Copper Sulphate, Crystal. The principal ingredient used in Bordo. For mildew and blight. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$15.

Cornfume. For the control of corn earworm. 8-oz. bottle complete with applicator \$1.50. Extra 16-oz. refill 95 cts.

Corrosive Sublimite (Bichloride of Mercury). For potatoes, brown patch on lawns, earthworms, and gladiolus thrip. Oz. 75 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts.; large can, enough for 2 bus., \$1.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 40 cts., \$4.40 per doz.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks. Use outdoors only. The Sawco Sr. Dust Gun shown on page 115, is recommended for applying this. Lb. 98 cts., 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30. Foot Pump for large users, \$11.50.

Cyanogas G Fumigant. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30.

D-D Soil Fumigant. A new soil fumigant for root-knot nematodes, wireworms and other soil-borne pests. Easy to apply; economical to use; effective. Can be used either indoors or outdoors. Pt. \$1, qt. \$1.75, gal. \$5.85, 5 gals. \$21.60. Applicator extra for pt. and qt. sizes, \$2.75; other sizes, \$15.

D.D.T. Liquid Spray (Syndeet). A concentrated oil emulsion. Contains 30% Technical D.D.T.; more effective than normal powder. Recommended for Japanese beetle, flea beetle, aphids, potato beetle, and other insects. $\frac{1}{2}$ pt. \$1, qt. \$3, gal. \$8.

D.D.T. Wettable Powder (Accotox). Contains 50% D.D.T. Controls codling moth, gipsy moth, tent caterpillar, Japanese beetle, potato beetle, and thrips. Also flies and ticks on cows, horses, sheep, and goats, and as a general spray in the barn. Lb. \$1, 4 lbs. \$3.50, 48 lbs. \$30.

Evergreen. A non-poisonous pyrethrum spray for sucking and chewing insects. Oz. 35 cts., pt. \$2.45, gal. \$13.50.

Fish-Oil Soap. For mild forms of scale and soft insects where something stronger cannot be used. Good plant-wash. 1 teaspoonful to 1 qt. of water, 1 lb. to 10 gals. Lb. 30 cts., 7 $\frac{1}{2}$ lbs. \$2, 100 lbs. \$18.

Floral Dust, Du Pont. Use as a dust or spray for flowers and vegetables. Lb. \$1.15, 4 lbs. \$3.50.

Gator Hives. For elimination of crickets, silverfish, waterbugs, and roaches. Economical; clean to use. Box of 3 Hives 35 cts.

Gladiolus Thrip Spray. (Powder.) Effective during growing season. Use 1 teaspoonful to 1 quart water, 1 pound to 10 gallons. Lb. 75 cts., 5 lbs. \$3.

Grafting Wax. Used for grafting, budding, top-working, etc., of all trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Hortex. A rotenone dust for sucking and chewing insects, combined with colloidal sulphur to act as a fungicide and lengthen the period of effectiveness. Non-poisonous. Lb. 50c., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Karmex. 2-4-D in tablet form. One tablet in 2 qts. of water sprays an area of 100 sq. ft. 25 tablets \$1, 100 tablets \$3.40.

Kilmdead Spray. Insecticide and plant-wash for roses, chrysanthemums, and evergreens; also tender plants under glass. Use 2 teaspoonfuls to 1 quart water, 1 gallon to 20 gallons. Pt. 65 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Kilmice. Tasty impregnated seed bait; poisonous. Quickly destroys mice in house or garden. 2 $\frac{1}{2}$ ozs. 25 cts., 12 ozs. \$1.

Kryocide. Fluorine insecticide combined with copper. A stomach poison and fungicide. For dusting only. Use 2 lbs. per 100-ft. row. Lb. 55 cts., 3 lbs. 90 cts.

Lime-Sulphur, Dry. For San José scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 40 cts., 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$17.50.

Lime-Sulphur (Liquid). For San José scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Loro. For red spider. Pt. \$2, gal. \$11.50.

Lucky Strike Spray Set

For roses, delphiniums and hollyhocks. Kills sucking and chewing insects, and controls mildew, black-spot and fungous diseases.

No. 1 Set. Makes 16 qts. of spray \$1 00
No. 2 Set. Makes 64 qts. of spray 2 00
No. 3 Set. Makes 150 qts. of spray 3 50

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoonfuls to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.



MOLEFUME

Molefume. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Use one cartridge every 15 to 25 feet. Box of 6 cartridges \$1.50, 5 boxes \$7, 10 boxes \$13.

Mole-Nots. Sure death to bulb-eating, root-destroying moles. Pkg. of 8 "nots" 35 cts., 50 for \$1, 125 for \$2.

Remedies for Insects, Fungus and Rodents

Insecticides and Fungicides listed herein over \$3 in value, with exception of 30- and 50-gal. drums, prepaid within 50 miles. If \$3 or less, or beyond 50 miles, customer pays transportation charges.

Due to shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid, 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.

Mouse-Nots. A meaty easily hulled treated seed bait which appeals to the taste of mice. Pkg. of 9 "nots" 25 cts., 50 "nots" \$1.

Mole Tablets, Force's. Simply plug these little tablets into runway every three feet. Pkg. of 35 tablets 35 cts., \$3.50 per doz.

Naphthalene Flakes. For gladiolus thrips. Mix 1 ounce to 100 corms when storing. Also dust when planting. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Nico-Fume Powder. 1-lb. can fumigates 25,000 cubic feet. $\frac{1}{2}$ lb. 60 cts., lb. \$1.10.

No-Seed. A plant hormone spray that produces seedless tomatoes. 8 ozs. \$1, qt. \$2.50.

Noxweed. Contains 5 pounds of sodium arsenate to the gallon. Apply by watering-can or sprayer. Harmless to stone, wood-work or shoes. One thorough application will destroy all vegetation. 1 qt. diluted treats 200 sq. ft. and 1 gal., 800 sq. ft. Qt. 85 cts., gal. \$2.50, 5 gals. \$10, 10 gals. \$18.50, 30 gals. \$40.50, 55 gals. \$65.

Paris Green. Poisonous. For chewing insects. Ingredient used in bran bait. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Para-Dichlorobenzene. For peach borer attacking trees four years and older. One ounce for each tree. Lb. 75 cts., 5 lbs. \$3.50, 10 lbs. \$6.

Pestex. Non-poisonous. Repels rabbits and squirrels. Keeps them away from your garden. Simply dust between the rows and in garden paths. 2-lb. bag \$1.25.

Pestmaster. A powder, containing insecticide, fungicide and plant stimulant. Kills most rose insects and controls black-spot, powdered mildew and rust. 1-lb. is sufficient to treat twenty-five bushes. Can be used as a dust or spray. 1-lb. pkg. \$1.75.

Phygon. Wettable. A fungicidal spray for control of black-spot on roses, apple scab, tomato, azalea and bean blight. 2 ozs. 50 cts., lb. \$2.70.

PMAS Crab Grass Killer. Contains the new chemical PMAS (Phenyl mercuric acetate) and Bis (2-amino-ethyl) borate, which when diluted and sprayed on lawns kills crab grass and germinating crab grass seed. It can be used all through the season, no specific time necessary. Not only does it kill crab grass, but deposits in the soil a selective residue which retards and discourages further growth. Use at the rate of 2 ounces per gallon of water over 100 square feet. 8-oz. bottle 85 cts., 16-oz. bottle \$1.50

Purfeck Chickweed Eliminator. Kills chick- and other mat-weeds; does not injure grass. One quart in eight parts water covers 450 square feet. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17.

Rat-Nots. Non-poisonous squill bait. Rats are attracted to their odor. Pkg. containing 9 "nots" 25 cts., 50 "nots" \$1.

Rat-Not Paste. Poison. Now contains 5% Antu, the new wartime discovery rat killer. 1-oz. tube 35 cts., 4-oz. tube \$1.

Rat-Tu. Poison rat killer. Contains 25% Antu. Can be used for either baiting or tracking. Very effective. 2-oz. pkg. 60 cts.

Rose Dust. (du Pont.) Contains FERMATE, the new fungicide for black-spot, mildew and rust. Also can be used on carnations and snapdragons, as a dust or spray. Lb. \$1, 4 lbs. \$3, 25 lbs. \$15.

Rotene Insect Spray. Non-poisonous, rotenone-thiocyanate spray. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. A teaspoonful to 1 gal. water, 1 oz. to 8 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Scalecide. A dormant oil spray. Use on fruit trees, shrubs, and many other plants. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. 85 cts., gal. \$2, 5 gals. \$7.35, 30 gals. \$27.50, 55 gals. \$42.50.

SAWCO-JAPY

(Japanese Beetle Milky Disease Spore Dust)

Destroys the larvæ or grub of the Japanese Beetle which causes severe injury to turf in lawns, golf courses, parks, pastures and gardens.

The bacteria causing the "milky disease" are *Bacillus Popillie* and *Lentimorbus*. Sawco-Japy (milky disease spore dust) contains at least 100 million viable spores of either or both of the above organisms per gram of product.

Thoroughly mix one pound of Sawco-Japy with two pounds of coarse sand or dry soil and apply this mixture uniformly over 4000 sq. ft. Brush or water into soil immediately after application to prevent loose dust from being picked up by the wind.

$\frac{1}{2}$ lb. (sufficient for 2000 sq. ft.) \$2 75
1 lb. (sufficient for 4000 sq. ft.) 5 00

Scalex. Dormant oil spray for scale on most fruits, shrubs and evergreens. Dilute 3 tablespoonfuls to 1 quart of water, one gallon to 20 gallons. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.50, 30 gals. \$25, 55 gals. \$40.

Semesan. (Regular.) A mercurial disinfectant for vegetable and flower seeds or bulbs, to protect against root-rot and damping-off. Applied either as a liquid or dust. Use a pinch to a packet of seed, $\frac{1}{2}$ teaspoonful to 1 pound of seed. 2 ozs. 45 cts., 12 ozs. \$2.10, 4 lbs. \$10.10, 25 lbs. \$58.28, 100 lbs. \$219.80.

Semesan. (Special.) Organic mercury compound for controlling brown-patch. 5 ozs. 70 cts., 4 lbs. \$6.92, 25 lbs. \$39.96, 100 lbs. \$149.85.

Semesan Jr. A dust disinfectant for seed corn. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 12 ozs. 62 cts., $6\frac{1}{4}$ lbs. \$4.16, 25 lbs. \$13.85, 100 lbs. \$49.95.

Semesan Bel. For scab and rhizoctonia carried on seed potatoes. Use 1 level tablespoonful to $2\frac{1}{2}$ bushels, 1 pound to 60 bushels. Also very effective on gladiolus corm rot. Soak bulbs in solution of 2 level teaspoonfuls to a gallon of water for 7 hours. 2 ozs. 35 cts., lb. \$1.83, 4 lbs. \$6.33, 40 lbs. \$59, 100 lbs. \$138.75.

Senoleid. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles and earthworms. Broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Snarol. Contains meta powder. Non-injurious to vegetation. It kills cutworms, snails, slugs, sowbugs, earwigs. Lb. 35 cts., $2\frac{1}{2}$ lbs. 75 cts., 6 lbs. \$1.50, 50 lbs. \$10.

Sodium Arsenite. Most effective on plantains, dandelions and chickweed. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass. Lb. 50 cts., 5 lbs. \$2, 50 lbs. \$10.50, 100 lbs. \$20.

Spergon. A non-poisonous organic chemical in yellow powder form for treating seeds against damping-off. Stimulates root-growth and produces healthy, vigorous seedlings. Oz. 25 cts., 5 ozs. \$1, lb. \$2.10.

Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 5 lbs. \$1.50.

Sunoco Oil Spray. An oil-spray for dormant trees and shrubs. For San José scale, Euonymus scale, and red spider. Use 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons. Gal. \$1.75, 5 gals. \$7.50.

Tersan. Brown-patch fungicide. 8 ozs. 80 cts., 4 lbs. \$5.16, 25 lbs. \$30, 100 lbs. \$115.

Thripco. Controls gladiolus thrips and eggs. Use as a dust when storing bulbs—1 ounce to 75 corms, 1 pound to 1000 corms. Treated bulbs are to be stored in open paper bags or slightly ventilated wood boxes. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$18.

Tobacco Dust, Kilmdead. Clings to the foliage, killing sucking and soft-bodied insects. Controls chinch-bugs. Use 1 pound per 100 square feet. Lb. 35 cts., 5 lbs. \$1, 25 lbs. \$2.50, 100 lbs. \$6.

Tobacco Stems. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50, 20 bales \$50.

Tree Cavity Fill. Add water to make it plastic. Lb. 75 cts., 5 lbs. \$2.50, 25 lbs. \$10.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic; not affected by heat, cold, or moisture. Stops bleeding. Use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7.

Tree Tanglefoot. A paste; traps crawling insects, gipsy moth, cankerworm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. Lb. 90 cts., 10 lbs. \$7.50, 25 lbs. \$16.

Tufor. Selective 2-4-D Weed Killer. Emulsion form. A great improvement over the regular 2-4-D. Over 65% of the triethanolamine salt is in aqueous solution. For lawns and wide areas of turf gives very excellent control of most weeds. Also effective against poison ivy. Four ounces to 16 gals. of water sprayed over 4000 sq. ft., 3 pints in 200 gals. per acre. 4 ozs. \$1, pt. \$2, qt. \$3.50.

2-4-D Weed Killer, Du Pont. Powder. 8-oz. can \$1.

Vermol. For earthworms in lawns. Will not injure the grass, but has in fact definite value as a grass food. Apply $\frac{1}{2}$ lb. per square yard and flood the turf with an abundance of water. Best results are obtained on warm, damp days. 5 lbs. \$1.50, 25 lbs. \$6, 100 lbs. \$10.

Volck Oil Spray. For outside use against mealy bugs, scale, red spiders, white flies. Dilute 5 tablespoonfuls to a gallon of water. Pt. 50 cts., gal. \$2.25, 5 gals. \$8.50.

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About an Index

To meet the continuing difficult paper situation, we have reduced the pages in our new Catalogue. No important merchandise has been dropped; indeed, we have added a number of new varieties and many items in our implement list, but we have compressed the material ordinarily in 136 pages into 112.

We have condensed our normal three-page index into a part-page list of **Contents**, in the hope that it will serve you adequately. But we have no means of knowing how much or how little an index may be missed; so we have made a limited printing of a **Complete Index** of our 1948 Seed Annual, which we will be glad to mail to you on request.

TERMS OF BUSINESS

FOR YOUR CONVENIENCE—Order sheets are on the right. Please send orders and inquiries to our New York address.

TO AVOID DISAPPOINTMENT we urge respectfully that orders be given us **early**—in advance of the time the goods are needed for use. Under present conditions it is not possible for us, at short notice, to promise deliveries by a certain day.

A Check, Bank Draft, Postal Note, Post-Office or Express Money Order may accompany your list, and if you send currency, be sure to use registered mail.

We ship seeds, bulbs, and fertilizers C. O. D., if you wish, but not perishable goods, like shrubs or plants, which we do not send C. O. D. We will be glad to open a charge account on receipt of the usual references.

Our prices are net, with no discounts, and always **subject to change without notice**.

We make no charge for packing domestic shipments, except breakable items like glazed sash and flower pots, fragile food products and other merchandise less in value than \$3, or where special bags are used. We charge for the latter, but allow full credit when they are returned prepaid, with the sender's name and address on the bundle.

IF THE U. S. POST OFFICE has assigned your locality a Unit or Zone Number, please enter it on your order. You will note that our address is 132-138 Church Street, New York 8, N. Y.

WE WELCOME QUESTIONS on cultural practice and other matters. It will expedite your order, however, if you will please write them separately—not on the same sheet with your order.

WHEN ORDERING, will you please tell us if we may use our good judgment and send you kinds similar in quality and equal in value, should we be out of stock of a particular variety for which you ask.

EXPORT. We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and packing for export shipments.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

Experienced gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to the seeds, bulbs, or roots, but to some circumstances of cultivation, soil or climate over which the seedsman has no control.

Any claim as to shortage, etc., should be made within 10 days of receipt of goods, and it will be adjusted to your satisfaction.

DELIVERIES At Prices in this Catalogue

We deliver Free anywhere in the U. S. Seeds of Vegetables and Flowers, Most Grasses, Seed Mixtures for Lawns, Sports, Hay and Pasture; also Books. Bulbs are prepaid to States east of the Mississippi, except where noted.

We deliver Free within 50 miles most other merchandise when the order exceeds \$3. A few bulky, heavy or low-value items are **excepted**. They are noted on the foregoing pages, and the list includes Potatoes, Farm Seeds, Field Corn, some Grasses and Clovers, certain Implements, Fertilizers, Insecticides, and Fungicides, which are f.o.b. our stores.

Purchaser Pays Transportation within 50 miles on the following: Potatoes, Farm Seeds, Field Corn, some Grasses and Clovers. Also on certain of the following where indicated: Implements, Fertilizers, Insecticides, and Fungicides.

Purchaser Pays Transportation beyond 50 miles on all merchandise other than Seeds of Vegetables and Flowers, Most Grasses, Seed Mixtures for Lawns, Sports, Hay and Pasture, and Books. Purchaser pays for delivery of Bulbs within States west of the Mississippi River.

Purchaser Pays Transportation anywhere on orders less than \$3 for all merchandise other than Vegetable and Flower Seeds, Most Grasses, Seed Mixtures for Lawns, Sports, Hay and Pasture, Bulbs, east of the Mississippi River, and Books. **Add 25 cents** to your remittance to cover postage on these small orders, which are best delivered by mail; will refund this sum if express seems better.

132-138 Church St. (Corner Warren Street) New York 8, N. Y.

Seeds (Grass, Flower, Vegetable, Farm), Lawnsread, Onion Sets, Bulbs, Epicure Foods, Books, Implements, Fertilizers, Insecticides, Fungicides and Sundries. These are on Covers I, II, III and IV, pages 2 to 25, 27 to 53, 55 to 66, 88 to 107 of our Spring Catalogue.

WE DELIVER FREE anywhere in the U. S., at prices shown in our 1948 Seed Annual, all Grass Seed Mixtures, Flower Seeds, Vegetable Seeds, and Books. Bulbs are sent prepaid within the States east of the Mississippi River.

WE DELIVER FREE within 50 miles of New York most other merchandise in our Seed Annual when the value exceeds \$3; exceptions are listed below. We send, at our option, to your nearest post office, express office or freight station.

PURCHASER PAYS TRANSPORTATION on all merchandise from our Epicure's Food Mart; also on Potatoes, Farm Seeds, certain Implements, Fertilizers, Insecticides and Fungicides. Purchaser pays for delivery of Bulbs west of the Mississippi River.

P. O. Box, Street
or Rural Delivery _____

Post Office _____ P. O. Zone No. _____ State _____

If your district has been given a zone number by the Post Office, please insert it here

Station or Express Office _____ *Superintendent or Gardener* _____
Only if different from Post Office That we may enter for Catalogues

We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

[illegible]

Please add 2% Sales Tax if delivery is to be made within New York City, 3% if within the State of Connecticut.

Should we be out of stock of a particular variety, shall we send you merchandise similar in quality and equal in value?

Yes ☐ No ☐

Order Sheet 109

Roses, Shrubs, Climbers, Azaleas, Blackberries, Blueberries, Currants, Gooseberries, Raspberries, Strawberries, Fruit Trees, Grape-Vines, Hardy Perennials, Herb Plants, Asparagus and Rhubarb Roots. Refer to pages 26, 27, 54, 67 to 87 and Cover IV of our Spring Catalogue.

USE ORDER SHEET A FOR SEEDS, BULBS, FOODS, IMPLEMENTS, ETC.

WE DELIVER FREE all Nursery Stock, except Bedding Flowers and Vegetable Plants, within 50 miles of New York at prices shown in our 1948 Catalogue and when order exceeds \$3.

PURCHASER PAYS TRANSPORTATION beyond 50 miles.
WE DO NOT SHIP PLANTS C. O. D.

Date _____ 1948

AMOUNT ENCLOSED

Check, money-order, postal note; send currency by registered mail.

Include 2% Sales Tax if delivery point is within New York City. Include 3% Sales Tax if delivery is within the State of Connecticut.

Name _____

P. O. Box, Street
or Rural Delivery _____

Post Office _____ P. O. Zone No. _____ State _____

If your district has been given a zone number by the Post Office, please insert it here

Station or Express Office _____ *Superintendent or Gardener* _____
Only if different from Post Office That we may enter for Catalogue

We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

QUANTITY	ROSES, SHRUBS, FRUIT TREES AND BUSHES, VINES, PERENNIALS AND HERBS, WANTED	PRICE
	Plants are ordinarily shipped by Express, though most small orders are best sent by mail. Please add 25 cts. to your remittance if your order is less than \$3, to cover postage.	
	Please add 2% Sales Tax if delivery is to be made within New York City, 3% If within the State of Connecticut.	

Should we be out of stock of a particular variety, shall we send you merchandise similar in quality and equal in value?
Yes ☐ No ☐

112 Order Sheet B

QUANTITY	ROSES, SHRUBS, FRUIT TREES AND BUSHES, VINES, PERENNIALS AND HERBS, WANTED	PRICE
Should we be out of stock of a particular variety, shall we send you merchandise similar in quality and price to that which you have ordered?		
	Plants are ordinarily shipped by Express, though small orders are sent by mail. Please add 50 cts. to your remittance if your order is less than \$5. In every instance.	
QUANTITY	ROSES, SHRUBS, FRUIT TREES AND BUSHES, VINES, PERENNIALS AND HERBS, WANTED	PRICE
Not for sale	Wm. Stearns & Son's Co. gives no warranty, express or implied, as to the production of any seeds, bulbs or plants or plants we sell, and will not be held responsible for the same. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.	
Station or Express Office	Superintendent or Caretaker	
But Office	P. O. Box No.	
P. O. Box		
Name		
WE DO NOT SHIP PLANTS C. O. D.		
PLANTER PAYS TRANSPORTATION 1 cent per mile		
WE DELIVER FREE 25 Nursery Stock, except Bedding Flowers and Vegetable Plants, within 50 miles of New York at prices shown in our 1908 Catalogue and also on the reverse 32.		
USE ORDER SHEET A FOR SEEDS, BULBS, FOODS, IMPLEMENTS, ETC.		
Check money order, or cash		
1918		
Please add 2% Sales Tax if delivery is to be made within New York City, 3% if within the State of Connecticut.		

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

IF ANYTHING IS MISSING
unpack your goods, look for a memorandum,
either with your merchandise or sent by
mail, telling you that some items of the order
are to follow later; these may be goods
which are not suitable for using this way.
Onion sets, roses, and shrubs, for example,
are not shipped until it is the proper time
to plant them. We sometimes enclose small
packages in larger bags of seed or fertilizer.

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

● These tuberous-rooted Begonias greatly resemble camellias in the shape of the flower. With their brilliant colors they are true jewels of the garden all summer. On the north side of a building and in shady nooks they are very satisfactory, and when the blooms are cut and floated in water they make beautiful table decorations.



Begonias — DOUBLE CAMELLIA-FLOWERED

Plant the bulbs outdoors 8 inches apart in mid-May, or start them earlier indoors in pots and transplant when the weather gets warm. Choose a moist shaded area and provide a rich soil composed of equal parts of soil, leaf-mold and rotted manure or bonemeal. Water well at least once a week and occasionally sprinkle the foliage with a fine spray. In late fall, lift the tubers and store them over winter in dry sand.

Six Beautiful Colors: APRICOT SCARLET PINK CRIMSON WHITE YELLOW MIXED

35 cts. each, 10 for \$3, \$25 per 100

Collection: Five bulbs, one each of five of the above colors, our selection, \$1.50

Giant Pacific DELPHINIUMS

Gorgeous, larger, mildew-resistant,
6-ft. perennials blooming in July,
August and October.

Left to Right :

Summer Skies
King Arthur
Guinevere Series
Blue Jay

PLANTS: 75 cts. each, 3 for \$2.15,
\$8.25 per doz.

COLLECTION: 4 plants, one each
of the above, \$2.80

Noble Mixture. 65 cts. each, 3 for \$1.90,
\$7.25 per doz.

SEED: Pkt., \$1 each variety.

COLLECTION: 4 pkts., one each
4 sorts, \$3.50

Noble Mixture, pkt. \$1.

See pages 40 and 69

Stump & Walter Co
NEW YORK 8, N. Y.



Dahlias

ROYAL MINIATURES

At most 3 ft. high, they need no stakes.
Plant them in beds or borders, and pinch
to keep them uniform. Charming perfect
flowers of the Formal Decorative type are
3½ inches or less in diameter—ideal for
room decoration.

Miniature Royal Blue
Miniature Royal Bronze
Miniature Royal Lavender
Miniature Royal White
Miniature Royal Yellow

Roots of the above, 75 cts. each, \$6.50
for 10.

ROYAL COLLECTION E

FIVE ROOTS, one each va-
riety, value \$3.75. \$3.25

ROYAL COLLECTION F

TEN ROOTS, two each va-
riety, value \$7.50. \$6.25